

Alphanumeric Display Terminals: Comparison Columns



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Synopsis

Editor's Note

The columns in this report list characteristics of the major display terminals on the market. A separate market overview, Report C25-010-101, identifies the major display vendors and discusses market trends. Report C25-010-201, the technology overview, discusses the technical aspects of display terminals and addresses pertinent issues related to display terminal selection.

Comparison Column Highlights

This report provides information about 211 display terminals offered by 52 vendors. Products covered include portable displays as well as industrial terminals offering touchscreen data entry capability.

Intense competition has kept display terminal prices from rising; a few vendors, including Memorex Telex, Digital Equipment, IBM, Hewlett-Packard, and Human Designed Systems, have even reduced prices. While several asynchronous displays sell for less than \$700, prices for high-end, color asynchronous and synchronous displays supporting windowing and graphics capability can run from \$2,000 to \$3,000. Industrial-type display terminals, by far the most expensive, can cost as much as \$6,000.

Products new to this report include IBM's InfoWindow family, AT&T's three newest asynchronous terminals, and the latest introductions of Applied Digital Data Systems, Data General, Wyse Technology, Tele-video Systems, and Qume.



Vendors

Altos Computer Systems

2641 Orchard Parkway
San Jose, CA 95134 (408) 432-6200

API

5225 Wiley Post Way, Lakeside Plaza, S-200
Salt Lake City, UT 84116 (801) 328-4222

Applied Digital Data Systems

100 Marcus Boulevard
Hauppauge, NY 11788 (516) 231-5400

AT&T

1 Speedwell Avenue
Morristown, NJ 07960
(800) 247-1212

Bull-Worldwide Information Systems, Inc.

Technology Park, 2 Wall Street
Billerica, MA 01821-4199 (617) 895-6000

Cardinal Technologies, Inc.

New Products Div.
1827 Freedom Road
Lancaster, PA 17601 (717) 293-3000

Computerwise

302 N. Winchester
Olathe, KS 66062 (913) 829-0600

Comterm, Inc.

110 Hymus Boulevard
Pointe-Claire, PQ, Canada H9R 1E8 (514) 694-4332

Cumulus Technology Corp.

1007 Elwell Court
Palo Alto, CA 94303 (415) 960-1200

Cybernex/Zavitz

2373 Stevenage Drive
Ottawa, ON, Canada K1G 3W1 (613) 738-9301

Data General Corp.

4400 Computer Drive
Westboro, MA 01580 (508) 366-8911

Decision Data Computer Corp.

1 Progress Drive
Horsham, PA 19440 (215) 674-3300

Digital Equipment Corp. (DEC)

146 Main Street
Maynard, MA 01754-2571 (508) 493-5111

Esprit Systems, Inc.

2115 Ringwood Avenue
San Jose, CA 95131 (408) 954-9800

Facit, Inc.

University Center
P.O. Box 9540, 400 Commercial Street
Manchester, NH 03108-9540 (603) 647-2700

Falco Data Products

1294 Hammerwood Avenue
Sunnyvale, CA 94089 (408) 745-7123

General Business Technology, Inc.

1891 McGaw Avenue
Irvine, CA 92714 (714) 261-1891

General Digital Corp.

198 Freshwater Boulevard
Enfield, CT 06082 (203) 741-7171

Harris Corp.

Data Communications Div.
16001 Dallas Parkway
Dallas, TX 75380-9022 (214) 386-2001

Hewlett-Packard Co.

Business Computing Systems
19091 Pruneridge Avenue
Cupertino, CA 95014 (800) 752-0900

Houston Computer Service, Inc.

11001 S. Wilcrest Drive, Suite 200
Houston, TX 77099 (713) 493-9900

Human Designed Systems, Inc.

3440 Market Street
Philadelphia, PA 19104 (215) 382-5000

I-O Corp.

2256 S. 3600 W.
Salt Lake City, UT 84119 (801) 973-6767

IDEAssociates, Inc.

29 Dunham Road
Billerica, MA 01821 (508) 663-6878

IDEA Courier, Inc.

P.O. Box 29039
Phoenix, AZ 85038 (602) 894-7475

Informer Computer Terminals

12781 Pala Drive
Garden Grove, CA 92641 (714) 891-1112

Intecolor Corp.

2150 Boggs Road
Duluth, GA 30136 (404) 623-9145

Integrated Design Engineering

1078 Headquarters Park Drive
Fenton, MO 63026 (314) 343-0005

Intelligent Information Systems

92 Kansas Street
Hackensack, NJ 07601 (201) 343-8353

International Business Machines Corp. (IBM)

Old Orchard Road
Armonk, NY 10504
Contact your local IBM representative.

Kimtron Corp.

1709 Junction Court, Suite 380
San Jose, CA 95112 (408) 436-6550

Lee Data Corp.

7075 Flying Cloud Drive
Eden Prairie, MN 55344 (612) 828-0300

Liberty Electronics

332 Harbor Way
South San Francisco, CA 94080 (415) 742-7000

Link Technologies, Inc.

47339 Warm Springs Boulevard
Fremont, CA 94539 (415) 651-8000

LXE

303 Research Drive
Norcross, GA 30092-2993 (404) 447-4224

MAI Basic Four, Inc.

14101 Myford Road
Tustin, CA 92680 (714) 731-5100

Memorex Telex

6422 E. 41st Street
Tulsa, OK 74135 (918) 627-1111

Microterm, Inc.

3630 S. Geyer Road, Suite 300
Sunset Hills, MO 63127 (314) 822-4111

Perfect Terminal, Inc.

42307 Osgood Road
Fremont, CA 94538 (415) 656-8383

Prime Computer, Inc.

Prime Parkway
Natick, MA 01760 (508) 655-8000

Qume Corp.

500 Yosemite Drive
Milpitas, CA 95035 (408) 942-4000

Tandy Corp./Radio Shack

1800 One Tandy Center
Fort Worth, TX 76102 (817) 390-3011

Telegenix, Inc.

26 Olney Avenue, P.O. Box 5550
Cherry Hill, NJ 08003 (609) 424-5220

Teleray, Inc.

P.O. Box 24064
Minneapolis, MN 55424 (612) 941-3300

TeleVideo Systems, Inc.

550 E. Brokaw Road
San Jose, CA 95161 (408) 954-8333

Unisys Corp.

Township Line & Jolly Roads, P.O. Box 500
Blue Bell, PA 19424 (215) 542-3501

Versyss Corp.

One Dedham Place
Dedham, MA 02026 (617) 329-7800

Visentech Systems

1825 E. Plano Parkway, Suite 160
Plano, TX 75074 (214) 423-1677

Visual Technology, Inc.

1703 Middlesex Street
Lowell, MA 01851 (508) 459-4903

Westinghouse Canada

Information Services Div.
3228 S. Service Road
Burlington, ON, Canada L7N 3H8 (416) 528-8811

Wyse Technology, Inc.

3571 N. First Street
San Jose, CA 95134 (408) 433-1000

Zentec Corp.

2400 Walsh Avenue
Santa Clara, CA 95051 (408) 727-7662

Alphanumeric Display Terminals Comparison Column Entry Descriptions

Vendor and Product

The name of the manufacturer and the product's name and model number are listed at the top of each column.

Physical Specifications

Screen Size. Information is displayed in a rectangular area, slightly smaller than the total surface of the display screen. The factors that determine the required size of the screen area are the display arrangement and the size of the displayable characters. For example, the typical 1,920-character display uses a 12- or 15-inch (diagonal) screen area.

Screen Capacity/Screen Arrangement. Information displayed on the screen of a CRT is generally arranged according to an orderly format consisting of a maximum number of printed lines per screen and characters per line. The electronic circuitry that produces the display image is designed to a specified set of parameters that define the screen capacity (i.e., the maximum number of display positions) and the screen arrangement (i.e., the

maximum number of displayable lines and displayable characters per line). The most common display capacity is 1,920 characters, arranged in 24 lines of 80 characters. Many vendors offer 132-character display lines, which can eliminate the need to revise or patch software designed for standard 132-column printers or to maintain dual sets of programs for 80-column and 132-column output.

Status Line. This line usually appears at the bottom of the display screen and provides status information on the terminal, such as the display parameters in use.

Character Color. Designers can make characters clearer by increasing the number of dots within the matrix. The stroke technique forms characters by drawing short straight lines between specified points. Character phosphor refers to the physical coating of phosphorous on the back side of the screen which, when illuminated, creates the displayed characters. The type of phosphor used defines the color of the displayed character, as well as the persistence of

the phosphor. A long-persistence phosphor is less likely to cause image flicker problems than a short-persistence phosphor; however, the image of a long-persistence phosphor is more likely to smear when lines are scrolled. Among the more common phosphors are P4 (white) and P31 or P39 (green). Amber and yellow-green phosphors are also available on some terminals.

Display Ergonomics. Ergonomics are increasingly important as terminal features. One popular feature is a tilt and/or swivel screen. This feature allows the mounting of the display monitor onto a separate desktop base or pedestal and allows the operator to twist the screen vertically ("tilt") and/or horizontally ("swivel") to the best position for viewing.

Keyboard Style. This entry defines the general arrangement of keys (e.g., typewriter or data entry [keypunch] style). Data entry keyboards have a numeric keypad embedded in the alphabetic part of the keyboard, which is accessed via numeric shift.

Function Keys. Some terminals are available with program function keys, which are special keys whose character codes are interpreted by the user's program. A function key is used to reduce the number of required input keystrokes to save time and reduce the number of input errors. Depressing one key could instruct the

system to "sell one seat" or "call Chart A," for example.

Keyboard Ergonomics.

Keyboards that can fit flush against the display or be located some distance away via cable connection are referred to as detachable keyboards. This feature provides increased configuration flexibility and operator convenience.

Scrolling. This feature moves all displayed lines of data up or down by one line as a new line is added and an existing one removed. In some cases, the first line is linked with the last so that the data is rolled but not lost. In others, data is lost as it rolls off the screen. This feature permits the user to scan through a volume of data to locate key information. Many vendors now feature smooth scrolling, in which data is rolled or scrolled smoothly up or down (much the same as the credits at the end of a movie).

Although scroll features can be software implemented in the host computer, the comparison column entry applies only to those terminals that implement the feature via hardware or firmware. Many terminals provide the scroll feature, but relatively few provide paging. Some provide both features.

Protect Format. Most businesses use printed forms for daily activities such as billing, ordering, and payroll. Some CRT terminals can duplicate

the printed form on the face of the screen, and data can be keyed into the blank spaces just as a typist enters data into a printed form. This fill-in-the-blank approach to data entry requires a *protected format* capability. Display terminals that incorporate this feature treat the fixed format differently than they treat keyed data. Field identifiers such as "name" or "salesperson number" can be protected from inadvertent key entry, and data entry is confined to the variable fields (blank spaces) following the field identifiers.

Functional Specifications

Compatibility. Some vendors offer *compatibility* and can replace terminals such as those produced by Digital, Honeywell, and Unisys.

Either of two types of compatibility can be offered: transmission or plug-to-plug compatibility. Transmission compatibility requirements include identical protocol, code and unit code structure, timing, asynchronous or synchronous operation, and transmission speed. Some vendors even provide identical cables, which is a cost-effective solution in a local cluster environment. Most vendors with transmission-compatible units offer additional features and functions not found in the original vendor's equipment, implemented via minor changes in host software. Units with true plug-to-plug compatibility

not only have identical transmission parameters but also identical features and functions; no alteration to host software is necessary, but no enhancements beyond the original vendor's equipment are available.

Graphics Capability. Bar charts, pie charts, and graphs can be generated to present certain types of information. An affirmative answer in this category usually indicates the presence of line drawing or special graphics character sets. It generally does *not* indicate the presence of highly sophisticated graphics capabilities found on graphics-dedicated terminals.

Split Screen, Windows/Multisessions. Some vendors now offer a *split-screen* and/or *windows* feature on their terminals in which the display screen can be divided or partitioned into a number of separate work spaces. Data in these work spaces can be manipulated (e.g., scrolled, stored, or transmitted) independently of the rest of the screen.

Memory. In most terminals, the number of characters that can be stored in the terminal's display memory equals the maximum screen capacity. In some terminals, however, storage is provided for more characters than can be displayed on the screen at one time. This additional data may be stored character by character, by the line, or by

the page (a full screen of data). *Memory* defines the maximum information storage capacity of the display. Most vendors specified this in terms of pages or screens; a few, however, specified memory in terms of kilobytes of RAM (random access memory).

Editing Capabilities. Editing features in a display terminal can consist of any combination of the functions that follow, although the best terminal for editing purposes would include all of them. Each function is performed with respect to the current position of the cursor. Desirable editing functions are:

- *Character insert*—the capability to insert a character into an existing line of displayed text; the remaining characters shift to the right or "spread" to accommodate the added character. The spreading capability may terminate at the last character position of the line or at the last displayable position on the screen. Data can be lost when it is spread beyond the termination point.
- *Character delete*—the capability to delete a character from an existing line of displayed text; the remaining text closes up when the character is deleted.

- *Line insert*—the capability to insert a line of text into existing text; the text spreads to accommodate the added line.

- *Line delete*—the capability to delete a line of text from existing text; the remaining text closes up when the line is deleted.

- *Erase*—the capability to erase a character, line of text, message, field, or the complete screen. Most terminals include character erase and some form of display erase, which may erase the entire contents of the display, just that portion following the cursor location, or a combination of both functions. Line erase is optional on many terminals.

Transmission Specifications

Nearly every display terminal contains a communications interface that enables communications between the terminal and the central computer site.

Mode. This entry defines the operating mode. There are two operating modes: half duplex (transmission in both directions, but not simultaneously) and full duplex (simultaneous transmission in both directions).

Technique. This entry defines the method in which data is transmitted. Data is transmitted synchronously or asynchronously. Asynchronous transmission is characterized by the transmission of data in irregular spurts, where the duration of time can vary between successive transmitted characters; the transmission from an unbuffered teletypewriter is a good example. Synchronous

transmission implies the transmission of data in a steady stream. The time interval between successive characters is always precisely the same. The communications interface either provides clocking or accepts external clocking signals from the data set.

Code. This entry refers to the bit pattern of the transmitted characters. Two codes predominate: EBCDIC and ASCII. The latter has been accepted as an industry and government standard and is now the most commonly used code by display terminals. EBCDIC is most commonly used with IBM equipment and its replacements.

Communications Protocol. This entry refers to the type of line discipline (control code sequence and control characters) that the terminal uses. The four most commonly used protocols are ASCII, IBM's Systems Network Architecture (SNA), IBM's Binary Synchronous Communications (BSC) technique, and IBM's Synchronous Data Link Control (SDLC) line discipline. Other large system vendors, such as Bull and Digital, have produced their own communications protocols. Many display terminals also conform to

the ANSI X3.64 standard for control codes; if ANSI-standard conformity exists, it will be indicated here.

Format. This entry refers to the way data is transmitted (e.g., by block, by line, or by character). Terminals that are designed to be transmission compatible with a teletype unit transmit a character for each key depression. Buffered terminals transmit data in multicharacter blocks. The line or block mode permits data to be composed and edited prior to each transmission and generally permits more efficient use of the communications facility. Some terminals offer manual selection of modes.

Maximum Speed, bps. The CRT terminal is a high-speed device that is usually capable of transmitting and receiving several thousand characters per second; however, it must run at a speed that is compatible with the communications system in which it is used. Most terminals are used on voice grade facilities, which limit the transmission speed to a practical maximum of 4800 bits per second (bps) over the dial network and 9600 bps over leased or private lines.

Terminal Interface. Display terminals usually have a *terminal interface* that meets the standards of the EIA RS-232-C specification or the 20-mA current loop and connects to an external modem or acoustic telephone coupler. Other interface types include RS-422, RS-423, and MIL-188 (military). IBM 3270 and 3270-compatible terminals generally connect directly to a cluster controller via coaxial cable.

Pricing and Availability

Purchase Price. Pricing is provided for single unit quantities (one terminal), unless otherwise specified. Single entries generally indicate the price of the basic unit without options.

Annual Maintenance. This entry shows the cost of service during regular business hours (usually 9 a.m. to 5 p.m., Monday through Friday).

Serviced by. This entry specifies the party responsible for maintaining the terminal. In some cases, the vendor provides total service; in others, a national service organization is responsible. Service is sometimes rendered under the combined efforts of both the vendor and an independent service organization.

In this situation, the vendor usually handles those areas close to its headquarters or where it has many installations.

Date of Announcement. This entry indicates the date that the terminal was announced to the public.

Date of First Commercial Delivery. This entry indicates when the first production model of each terminal was delivered (or is scheduled to be delivered) to a customer.

Number of Units Installed to Date. This entry shows how many display units of each type had been delivered to customers. All figures were supplied by the vendors, and a number of companies chose not to release this information.

Vendor Phone Number

The vendor's phone number is supplied at the bottom of each comparison column as a courtesy to the reader.

Comments

Comments at the bottom of the columns describe significant or unusual features, capabilities, or applications that are not reflected in the standard entries.

Vendor	Altos Computer Systems	API	API	Applied Digital Data Systems
Product	Altos VII Display Terminal	V71	V72F	ADDS 4000
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	5,808	3,440	3,564	1,920, 3,168
Screen Arrangement (lines x char./line)	44 x 80 or 26 x 80, 44 x 132 or 26 x 132	24 x 80, 32 x 80, 43 x 80	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 132, 26 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, white, amber	Green, white, amber, multicolor	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	IBM PC compatible, ASCII keyboard	Typewriter, data entry, APL, 3270, IBM PC compatible	Typewriter, data entry, APL, 3270, IBM PC compatible	IBM PC compatible, ASCII
Function Keys	16	24	24	32
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Smooth	None	Up & down, smooth	Up, smooth
Protect Format	Vendor did not specify	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Lear Siegler	3270 family, IBM 3471	3270 family, IBM 3472	TTY, VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, PC terminal
Graphics Capability	No	No	No	No
Split Screen	No	No	Vendor did not specify	Yes
Windows/Multisessions	No	No	Yes	Yes
Memory	1	1	4	2
Editing Capabilities	Line insert/delete, character insert/delete, erase	Character insert/delete, erase	Character insert/delete, erase	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half duplex	Half duplex	Half/full duplex
Technique	Asynchronous	Synchronous	Vendor did not specify	Asynchronous
Code	ASCII	EBCDIC	Vendor did not specify	ASCII
Communications Protocol	ASCII	Coax A CUT	Coax A CUT	ASCII, ANSI
Format	Block	Character	Character	Character
Maximum Speed (bps)	Modem port, 38.4K	2.358M	2.358M	38.4K
Terminal Interface	RS-232-C	Coaxial	Coaxial	RS-232-C
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	595.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Contact vendor
Serviced By	Vendor did not specify	Vendor did not specify	Vendor did not specify	ADDS
Date of Announcement	Vendor did not specify	October 1989	October 1989	February 1990
Date of First Commercial Delivery	Vendor did not specify	October 1989	October 1989	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 432-6200	(801) 328-4222	(801) 328-4222	(516) 231-5400
Comments	—	—	—	—

Vendor	AT&T	AT&T	AT&T	AT&T
Product	615 Color Multitasking Terminal	615 Multitasking Terminal	620 Multitasking Terminal With Graphics	630 Multitasking Terminal With Graphics
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	16
Screen Capacity (characters)	1,920, 3,168, 3,068	1,920, 3,168	1,920	Variable up to 9,660
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80	61 - 69 x 89, 109, 140 char.
Status Line Character Color	Yes Green, amber	Yes Green, amber	Yes Green, amber	No White, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	102-key PC-style	UNIX or AT&T 4425	AT&T UNIX or PC style	98-key standard
Function Keys	36	36	36	14
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down	Up & down
Protect Format	Yes	Yes	Yes	Vendor did not specify
Functional Specifications				
Compatibility	TTY, ANSI X3.64	TTY, ANSI X3.64	TTY, ANSI X3.64, Tektronix 4014	TTY
Graphics Capability	Yes	Yes	Yes	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	Vendor did not specify	3	1	Over 5 screens/window
Editing Capabilities	Vendor did not specify	Vendor did not specify	Vendor did not specify	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ANSI, X3.64
Format	Character	Character	Character	Character
Maximum Speed (bps)	19.2K	19.2K	19.2K	19.2K
Terminal Interface	RS-232-C	RS-232-C	RS-232-C	RS-232-C
Pricing and Availability				
Purchase Price (\$)	1,295.00	875.00	1,295.00	2,595.00
Annual Maintenance (\$)	171	120	185	252
Serviced By	AT&T	AT&T	AT&T	AT&T
Date of Announcement	March 1989	November 1986	November 1986	September 1987
Date of First Commercial Delivery	March 1989	December 1986	December 1986	August 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 221-2246	(201) 221-2246	(201) 221-2246	(201) 221-2246
Comments	Multitasking windows; expansion cartridge support; 102-key PC-style kbd; 4425 emulation supported; 28 additional function keys with window; jump scroll	Multitasking windows; expansion cartridge port; 98-key std. keyboard; VT220, 4425 emulat. available; 28 addit. function keys with window; jump scrolling, 3 windows	Multitasking window; integrated dialer/modems available; expansion cart. port; 98-key std. keyboard; 28 addit. funct. keys with window; Tektronix 4014 and GSS CGI graphics protocols, 6 windows	Multitasking windows; dual-host, downloadable; local intelligence; 1024 x 1024 bit mapped, non-glare coated screen, 7 window/host; optional 512K RAM; optional SSI/EIA board

Vendor	AT&T	AT&T	AT&T	AT&T
Product	6591D	6592D	6592F	705MT
Physical Specifications				
Screen Size, inches (diagonal)	14	15	14	14
Screen Capacity (characters)	1,920, 2,560	1,920, 2,560, 3,440, 3,564	1,920, 2,560, 3,440, 3,564	5,808
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80	24 x 80, 32 x 80, 43 x 80, 27 x 80	24 x 80, 32 x 80, 43 x 80, 27 x 132	27 or 44 x 80 or 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Multicolor, 7 - color	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	APL, 3270	3270	3270	IBM PC compatible, standard or enhanced PC-style
Function Keys	24	24	24	28
Keyboard Ergonomics	Detachable	Detachable	Detachable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family	3270 family	3270 family	TTY, VT100 family, AT&T 605BCT, Digital VT320, VT320
Graphics Capability	No	No	No	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	Vendor did not specify	Vendor did not specify	Vendor did not specify	3
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Half/full duplex	Full duplex	Half duplex
Technique	Synchronous	Synchronous	Synchronous	Asynchronous
Code	EBCDIC	EBCDIC	EBCDIC	ASCII
Communications Protocol	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	ASCII, ANSI, X3.64
Format	Block	Block	Block	Vendor did not specify
Maximum Speed (bps)	64K	64K	19.2K	38.4K
Terminal Interface	Twisted pair	Coaxial, twisted pair	Coaxial, twisted pair	RS-232-C, 10-pin connector for modems
Pricing and Availability				
Purchase Price (\$)	1,300.00	1,600.00	1,750.00	549.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	AT&T	AT&T	AT&T	AT&T
Date of Announcement	Vendor did not specify	Vendor did not specify	Vendor did not specify	March 1990
Date of First Commercial Delivery	March 1989	March 1989	March 1989	April 1990
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 221-2246	(201) 221-2246	(201) 221-2246	(201) 221-2246
Comments	—	—	—	New product which supports multitasking and dual host access; follows new ANSI MFS 100 ergonomics standard

Vendor	AT&T	AT&T	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.
Product	730MTG	730X	BDS-1 HDS 7101	BDS-1 HDS 7102
Physical Specifications				
Screen Size, inches (diagonal)	16 or 17	16	14	14
Screen Capacity (characters)	9660	9,660	2,000	2,000
Screen Arrangement (lines x char./line)	Up to 69	Up to 69	26 x 80	26 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	White, amber	White, amber	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel optional	Tilt, swivel optional
Keyboard Style	IBM PC compatible, 98-key (600 series)	IBM PC compatible, 98-key (600 series)	Typewriter	Typewriter
Function Keys	24	24, 48	14	14
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable	Detachable
Scrolling	Up & down	Up & down	Up, smooth	Up, smooth
Protect Format	No	No	Yes	Yes
Functional Specifications				
Compatibility	TTY, VT200 family, ANSI X3.64	TTY, VT200 family, ANSI X3.64, Tektronix, AT&T 605, AT&T 630	WYSE, ADDS, TVI	WYSE, ADDS, TeleVideo
Graphics Capability	Yes	Yes	Yes	Yes
Split Screen	Yes	Yes	No	No
Windows/Multisessions	Yes	Yes	No	No
Memory	5 screens per window	5 screens per window	1, 25, 80	1, 25, 80
Editing Capabilities	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64, Starlan 10 ISO/TCP	ASCII, ANSI, X3.64, X windows	X-on/X-off, DTR, RTS	X-on/X-off, DTR, RTS
Format	Character	Character	Character	Character
Maximum Speed (bps)	19.2K, 10M	19.2K, 10M	300 to 38.4K	300 to 38.4K
Terminal Interface	RS-232-C, Starlan 10 twisted pair	RS-232-C, Starlan 10 twisted pair	RS-232-C, RS-422	RS-232-C, RS-422
Pricing and Availability				
Purchase Price (\$)	2,495.00	2,995.00	595.00	595.00
Annual Maintenance (\$)	120	168	85	85
Serviced By	AT&T	AT&T	Bull HN	Bull HN
Date of Announcement	November 1, 1989	November 1, 1989	January 1987	January 1987
Date of First Commercial Delivery	February 5, 1990	February 5, 1990	Vendor did not specify	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 221-2246	(201) 221-2246	(617) 895-6000	(617) 895-6000
Comments	Upgrade from model 630 to model 730; expanded memory to 4.5M bytes; multiple host connection; internal character sets; upgrade to X windows and LAN capability	Same as 730 MTG, plus: hot-key access to X windows and native mode multitasking applications	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$51/yr; one-year warranty; up, smooth scrolling; X-on/X-off protocol supported	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$51/yr; one-year warranty; up, smooth scrolling; X-on/X-off protocol supported

Vendor	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.
Product	BDS-3 HDS 7403	BDS-3 HDS 7404	BDS-5 HDS 7505	BDS-5 HDS 7506
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	2,000, 3,300	2,000, 3,300	1,920, 3,168	1,920, 3,168
Screen Arrangement (lines x char./line)	25 x 80, 25 X 132	25 x 80, 25 X 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel optional	Tilt, swivel optional	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter, data entry	Typewriter, data entry
Function Keys	79	79	12	12
Keyboard Ergonomics	Detachable	Detachable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, WYSE	VT100 family, VT200 family, WYSE	ANSI X3.64, Bull HN VIP	ANSI X3.64, Honeywell Bull VIP
Graphics Capability	Yes	Yes	Yes	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	No	No	No	No
Memory	1, 25, 80, 132	1, 25, 80, 132	3	3
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase, tabulation	Line insert/delete, character insert/delete, erase, tabulation
Transmission Specifications				
Mode	Full duplex	Full duplex	Full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	X-on/X-off, DTR, RTS	X-on/X-off, DTR, RTS	X3.64, Bull HN VIP	X3.64, Bull HN VIP
Format	Character, block	Character, block	Character, block, line	Character, block, line
Maximum Speed (bps)	300 to 38.4K	300 to 38.4K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422
Pricing and Availability				
Purchase Price (\$)	750.00	750.00	995.00	995.00
Annual Maintenance (\$)	95	95	75	75
Serviced By	Bull HN	Bull HN	Bull HN	Bull HN
Date of Announcement	January 1987	September 1986	April 1987	April 1987
Date of First Commercial Delivery	Vendor did not specify	January 1987	Vendor did not specify	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(617) 895-6000	(617) 895-6000	(617) 895-6000	(617) 895-6000
Comments	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$57/yr; one-year warranty; 16/15 function keys; X-on/X-off protocol supported	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$57/yr; one-year warranty; 16/15 function keys; X-On/X-Off protocol supported	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$75/yr; one-year warranty; jump scrolling; X-on/X-off protocol supported	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$75/yr; one-year warranty; jump scrolling; X-on/X-off protocol supported

Vendor	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.	Bull Worldwide Information Systems, Inc.	Cardinal Technologies, Inc.
Product	BDS-5 HDS 7507	BDS-7 HDS 7807	BDS-7 HDS 7808	CP330 Interactive Data Terminal
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	12
Screen Capacity (characters)	1,920, 3,168	2,000, 3,168	2,000, 3,168	960
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132	40 x 24, 20 x 12
Status Line	Yes	Yes	Yes	No
Character Color	Green, amber	Green, amber	Green, amber	Green
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt
Keyboard Style	Typewriter, data entry	Typewriter (multifunction)	Typewriter (multifunction)	Typewriter
Function Keys	12	12	12	Vendor did not specify
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable	Detachable	Detachable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	No
Functional Specifications				
Compatibility	ANSI X3.64, Bull VIP	ANSI X3.64, Bull VIP	ANSI X3.64, Bull VIP	IBM 3101
Graphics Capability	Yes	Yes	Yes	Yes
Split Screen	Yes	Yes	Yes	No
Windows/Multisessions	No	No	No	No
Memory	3	3	3	1
Editing Capabilities	Line insert/delete, character insert/delete, erase, tabulation	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	None
Transmission Specifications				
Mode	Full duplex	Full duplex	Full duplex	Half/full duplex
Technique	Asynchronous	Async/sync	Async/sync	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	X3.64, Bull HN VIP	X3.64, VIP	X3.64, VIP	ASCII
Format	Character, block, line	Character, block, line	Character, block, line	Character, block
Maximum Speed (bps)	19.2K	19.2K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, 20mA
Pricing and Availability				
Purchase Price (\$)	995.00	1,200.00	1,200.00	649.00
Annual Maintenance (\$)	75	100	100	90 day warranty
Serviced By	Bull HN	Bull HN	Bull HN	Cardinal Technologies
Date of Announcement	April 1987	December 1986	December 1986	March 1987
Date of First Commercial Delivery	Vendor did not specify	Vendor did not specify	Vendor did not specify	March 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	5,000
Vendor Telephone Number	(617) 895-6000	(617) 895-6000	(617) 895-6000	(717) 293-3000
Comments	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$75/yr; one-year warranty; jump scrolling; X-on/X-off protocol supported	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$60/yr; one-year warranty; ANSI X3.64 mode (std.); X-on/X-off; VIP protocols supported; jump scrolling	Honeywell Bull Customer Assisted Maintenance Program (CAMP) is available at \$60/yr; one-year warranty; ANSI X3.64 mode (std.); X-on/X-off; VIP protocols supported; jump scrolling	—

Vendor	Computerwise	Computerwise	Computerwise	Comterm, Inc.
Product	Transterm 4A	Transterm 5	Transterm 6	6471
Physical Specifications				
Screen Size, inches (diagonal)	7.2 (4)	75	6	14
Screen Capacity (characters)	320	48	80	1,920, 2,560, 3,440, 3,564
Screen Arrangement (lines x char./line)	8 x 40	2 x 24	2 x 40	24 x 80, 32 x 80, 43 x 80, 27 x 132
Status Line	No	No	No	Yes
Character Color	Black on white	Black on white	Black on white	Green, white, amber
Display Ergonomics	Vendor did not specify	Vendor did not specify	Vendor did not specify	Tilt, swivel
Keyboard Style	Data entry	Data entry	Data entry	Typewriter
Function Keys	8	8	8	24
Keyboard Ergonomics	Membrane	Membrane	Membrane	Detachable, low profile, tilt adjustable, tactile feel; mechanically silent
Scrolling	Up	Up	Up	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	TTY	TTY	TTY	3270 family
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	No	No	No	No
Memory	1	1	1	2-4 screens
Editing Capabilities	Character insert/delete	Character insert/delete	Character insert/delete	Character insert/delete, erase, record/pause/playback capability
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Vendor did not specify
Technique	Asynchronous	Asynchronous	Asynchronous	Synchronous
Code	ASCII	ASCII	ASCII	EBCDIC
Communications Protocol	ASCII	ASCII	ASCII	IBM Coax A
Format	Character, block	Character, block	Character, block	Vendor did not specify
Maximum Speed (bps)	19.2K	19.2K	19.2K	2.35M
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	Coaxial
Pricing and Availability				
Purchase Price (\$)	549.00	249.00	299.00	795.00
Annual Maintenance (\$)	Contact vendor	Contact vendor	Not applicable	Vendor did not specify
Serviced By	Factory	Factory	Factory	Comterm (Canada) Third Party (US)
Date of Announcement	1984	1984	1985	January 15, 1989
Date of First Commercial Delivery	1984	1984	1985	February 1989
Number of Units Installed to Date	1,000	20,000	6,000	Vendor did not specify
Vendor Telephone Number	(913) 829-0600	(913) 829-0600	(913) 829-0600	(514) 694-4332
Comments	—	—	—	General purpose monochrome terminal for new installations and replacement of IBM 3278, 3180, 3192, and mono. 3472; includes printer and interface

Vendor	Comterm, Inc.	Cumulus Technology Corp.	Cumulus Technology Corp.	Cybernex/Zavitz
Product	6472	CET	HCT	MAX-331 Industrial
Physical Specifications				
Screen Size, inches (diagonal)	14	15	15	14
Screen Capacity (characters)	1,920, 2,560, 3,440, 3,564	3,168	3,168	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 27 x 132 optional	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 132, 24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber, multicolor	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, 3270	HP 700/94	HP 700/94	DEC LK layout
Function Keys	24	12	12	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable, tactile feel; mechanically silent	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable
Scrolling	Up & down	Up & down, smooth	Up & down, smooth	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family	HP 700/92, HP 700/94, 2392, 2394	HP 700/92, HP 700/94, 2392, 2394	ANSI X3.64, single session VT330, Tektronix 4010/4014
Graphics Capability	No	No	No	Yes
Split Screen	Vendor did not specify	Yes	Yes	No
Windows/Multisessions	Yes	No	No	No
Memory	10K bytes	8	8 pages	Vendor did not specify
Editing Capabilities	Character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Vendor did not specify	Half/full duplex	Half/full duplex	Full duplex
Technique	Vendor did not specify	Asynchronous	Asynchronous	Asynchronous
Code	EBCCDIC	ASCII	ASCII	ASCII
Communications Protocol	IBM Coax A	ASCII, ANSI	ASCII, ANSI	ASCII, ANSI, X3.64
Format	Vendor did not specify	Character, block, line	Character, block, line	Character
Maximum Speed (bps)	2.35M	38.4K	38.4K	19.2K
Terminal Interface	Coaxial	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C
Pricing and Availability				
Purchase Price (\$)	1,095.00	895.00	795.00	Vendor did not specify
Annual Maintenance (\$)	Vendor did not specify	5 year warranty	5 year warranty	Vendor did not specify
Serviced By	Comterm (Canada) Third Party (US)	Cumulus Technology Corp.	Cumulus Technology Corp.	Vendor did not specify
Date of Announcement	October 1989	December 1988	December 1988	Vendor did not specify
Date of First Commercial Delivery	January 1990	March 1989	March 1989	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	10,000	10,000	250
Vendor Telephone Number	(514) 694-4332	(415) 960-1200	(415) 960-1200	(613) 738-9301
Comments	IBM 3472 - compatible; three piece modular unit with plug-in option pack for configuration and upgrades; value-added features include: user notepad and pop-up calculator	5-year warranty; forms cache capabilities; flat profile screen; 75Hz refresh rate; built-in desktop accessories and help screens	5-year warranty; forms cache capabilities; flat profile screen; 75Hz refresh rate; built-in desktop accessories and help screens	Includes 12 industrial enclosure to protect against dust, dirt, dripping, non-corrosive liquids; DEC VT330 single session compatibility with Regis, Sixel 4010/4010 Tektronix graphics

Vendor	Cybernex/Zavitz	Cybernex/Zavitz	Data General Corp.	Data General Corp.
Product	MAX-331	RB-1260	AVX-30 X-Window Display Station	D216
Physical Specifications				
Screen Size, inches (diagonal)	14	14	16	14
Screen Capacity (characters)	1,920, 3,168	2,080	Vendor did not specify	1,920, 3,240
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	12 x 24, 40 x 80	Vendor did not specify	25 x 81, 24 x 135
Status Line Character Color	Yes Green, white, amber	Yes Green	Yes Green, white	Yes Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel, etched non-glare screen;contrast control	Tilt, swivel
Keyboard Style	DEC LK layout	Typewriter (Burroughs)	IBM PC compatible	Data General
Function Keys	30	20	12	15
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile	Detachable, tilt adjustable	Detachable, tilt adjustable
Scrolling	Up & down	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Vendor did not specify	Yes
Functional Specifications				
Compatibility	ANSI X3.64, single session VT330,Tektronix 4010/4014	UNISYS TD830, ET1100, ET1210	VT100 family, Tektronix 4010	VT100 family
Graphics Capability Split Screen Windows/Multisessions Memory	Yes No No Vendor did not specify	No No Yes 15	Yes Yes Yes Vendor did not specify	Yes No Vendor did not specify Vendor did not specify
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Vendor did not specify	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode Technique Code Communications Protocol	Full duplex Asynchronous ASCII ASCII, ANSI, X3.64	Half duplex Async/sync ASCII UNISYS proprietary	Vendor did not specify Vendor did not specify Vendor did not specify Vendor did not specify	Full duplex Asynchronous ASCII X-on/X-off
Format	Character	Line, block	Vendor did not specify	Character
Maximum Speed (bps)	19.2K	Up to 38.4K	Vendor did not specify	19.2K
Terminal Interface	RS-232-C	RS-232-C, TDI	RS-232-C, coaxial	RS-232-C, RS-422
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	2,795.00	510.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	29 per month	60
Serviced By	Vendor did not specify	Vendor did not specify	Data General	Data General
Date of Announcement	Vendor did not specify	Vendor did not specify	August 1989	August 1988
Date of First Commercial Delivery	Vendor did not specify	Vendor did not specify	August 1989	September 1988
Number of Units Installed to Date	1,000	1,000	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(613) 738-9301	(613) 738-9301	(508) 366-8911	(508) 366-8911
Comments	DEC VT330 single session; compatibility with Regis, Sixel 4010/4014 Tektronix graphics; 800 x 500 pixel screen resolution	Totally remappable keyboard; 109-key keyboard; 4 concurrent session environments; 2 printer/aux. ports; lifetime keyboard warranty; upward compatible with Cybernex SA830, RB1100, RB1210	Base model supports 1.125MB — memory	

Vendor	Data General Corp.	Data General Corp.	Data General Corp.	Decision Data Computer Corp.
Product	Dasher D412	Dasher D462	Walkabout Portable Terminal	3497-41
Physical Specifications				
Screen Size, inches (diagonal)	14	14	9	14
Screen Capacity (characters)	1,920, 3,240	1,920, 3,240	2,000	1,920
Screen Arrangement (lines x char./line)	24 x 135, 24 x 81	24 x 80, 24 x 135	25 x 80	24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, white, amber	Green	Multicolor, 7 colors
Display Ergonomics	Tilt, swivel, shielding of magnetic emissions	Tilt, swivel, shielding of magnetic emissions	Tilt, supertwist LCD	Tilt, swivel
Keyboard Style	Typewriter, Data General	Typewriter, Data General	VT-compatible	Typewriter, 83-key keyboard
Function Keys	15	15	15	24
Keyboard Ergonomics	Detachable, tilt adjustable	Detachable, tilt adjustable	Keyboard and display from one unit	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up, smooth	Up & down
Protect Format	Yes	Yes	No	Vendor did not specify
Functional Specifications				
Compatibility	VT200 family, Data General	VT200 family, Data General, Tektronix 4010/4014	VT200 family, Data General	IBM 5291, 3197C
Graphics Capability	Yes	Yes	No	No
Split Screen	No	No	No	No
Windows/Multisessions	No	Yes	No	Yes
Memory	1	1	32K bytes RAM	1
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Full duplex	Vendor did not specify
Technique	Asynchronous	Asynchronous	Asynchronous	Synchronous
Code	ASCII	ASCII	ASCII	EBCDIC
Communications Protocol	X-on/X-off	X-on/X-off	X3.64, X-on/X-off	BSC, SDLC, SNA
Format	Character	Character	Character	Character
Maximum Speed (bps)	19.2K	19.2K	2400	1M
Terminal Interface	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RJ-11	Twinaxial
Pricing and Availability				
Purchase Price (\$)	610.00	1,060.00	610.00	1,625.00
Annual Maintenance (\$)	66	Vendor did not specify	Vendor did not specify	70
Serviced By	Data General	Data General	Data General	Decision Data Service Inc.
Date of Announcement	August 1988	August 1988	November 1989	June 1987
Date of First Commercial Delivery	September 1988	September 1988	Vendor did not specify	June 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	27,000
Vendor Telephone Number	(508) 366-8911	(508) 366-8911	(508) 366-8911	(215) 674-3300
Comments	—	—	Portable, light weight terminal	Dual sessions; system addressable printer port

Vendor	Decision Data Computer Corp.	Decision Data Computer Corp.	Digital Equipment Corp.	Digital Equipment Corp.
Product	3596	3597	VT320	VT330
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920	1,920, 3,440, 3,564	3,168	3300 with status line
Screen Arrangement (lines x char./line)	24 x 80	24 x 80, 43 x 80, 27 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Status Line Character Color	Yes Green, amber	Yes Green, white, amber	Yes Green, white, amber	Yes Green, white, amber
Display Ergonomics	Tilt, swivel, antiglare chemically etched CRT	Tilt, swivel, antiglare chemically etched CRT	Tilt standard, swivel optional	Tilt, swivel
Keyboard Style	Typewriter, 83-key keyboard	Typewriter, 83 key keyboard	Digital VT320/LK201	Digital LK201
Function Keys	24	24	40	43
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	Vendor did not specify	Vendor did not specify	Yes	Yes
Functional Specifications				
Compatibility	IBM 5291, 3196	IBM 5291, 3196 and 3197D	VT100 family, VT52, VT220, VT320	VT100 family, VT200 family
Graphics Capability	No	No	No	Yes
Split Screen	No	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	No	Yes
Memory	1	2	1	Vendor did not specify
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Vendor did not specify	Vendor did not specify	Full duplex	Full duplex
Technique	Synchronous	Synchronous	Asynchronous	Asynchronous
Code	EBCDIC	EBCDIC	ASCII	ASCII
Communications Protocol	BSC, SDLC, SNA	BSC, SDLC, SNA	ANSI, X3.64	ASCII, ANSI, X3.64
Format	Character	Character	Character	Character, block
Maximum Speed (bps)	1M	1M	19.2K	19.2K
Terminal Interface	Twinaxial	Twinaxial	RS-232-C, DEC 423	RS-232-C, DEC 423
Pricing and Availability				
Purchase Price (\$)	749.00	1,295.00	575.00	1,995.00
Annual Maintenance (\$)	56	60	36 for on-site service	Varies
Serviced By	Decision Data Service Inc.	Decision Data Service Inc.	Digital Equipment	DEC
Date of Announcement	February 1989	November 1989	August 1987	April 1987
Date of First Commercial Delivery	February 1989	December 1989	October 1987	1987
Number of Units Installed to Date	38,000	2,000	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(215) 674-3300	(215) 674-3300	(508) 493-5111	(508) 493-5111
Comments	Cartridge capability for upgrades or enhancements; system addressable printer	Dual session, split screen capability; system addressable printer port; Screen trim; key board reprogramming; printer command substitution; ruler cursor; soft keylock	—	Quantity and system pricing available, total number of programmable function keys-15, memory is six pages of text and 2 screens of graphics, supports REGIS, sixels, and Tektronix 4010/4014

Vendor	Digital Equipment Corp.	Esprit Systems, Inc.	Esprit Systems, Inc.	Esprit Systems, Inc.
Product	VT340	ESP 6110	ESP 6310	Opus 2
Physical Specifications				
Screen Size, inches (diagonal)	13	14	14	14
Screen Capacity (characters)	3300 with status line	1,920	1,920	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80	24 x 80	24 x 80, 24 x 132
Status Line	Yes	No	Yes	Yes
Character Color	Multicolor	Green	Green	Green, amber
Display Ergonomics	Tilt	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Digital LK201	Data entry	Data entry	Data entry
Function Keys	43	8	22	32
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable, flip strip function key labeling
Scrolling	Up & down, smooth	Up	Up, smooth	Up, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family	TTY, ADDS, Esprit/Hazeltine, Lear Siegler	TTY, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler	TTY, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler
Graphics Capability	Yes	No	No	No
Split Screen	Yes	No	No	No
Windows/Multisessions	Yes	No	No	No
Memory	Vendor did not specify	1	1, 4 optional	4 optional
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64	ASCII	ASCII	ASCII
Format	Character, block	Character	Character, block, line	Character, block, line
Maximum Speed (bps)	19.2K	19.2K	19.2K	36.4K
Terminal Interface	RS-232-C, DEC 423	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	2,795.00	399.00	699.00	499.00
Annual Maintenance (\$)	Varies	12 month warranty	12 month warranty	12 month warranty
Serviced By	DEC	Esprit	Esprit	Esprit
Date of Announcement	April 1987	Vendor did not specify	Vendor did not specify	Vendor did not specify
Date of First Commercial Delivery	1987	1987	1987	1988
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(508) 493-5111	(408) 954-9800	(408) 954-9800	(408) 954-9800
Comments	Quantity and system pricing available, total number of programmable function keys-15, memory is six pages of text and 2 screens of graphics, supports REGIS, sixels, and Tektronix 4010/4014	—	—	—

Vendor	Esprit Systems, Inc.	Esprit Systems, Inc.	Esprit Systems, Inc.	Facit, Inc.
Product	Opus 220	Opus 3N1	Picterm CBG	A-1600
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 3,168	1,920, 3,168	2,880	3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	30 x 96	24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, white, amber	Multicolor	White
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry	Typewriter, data entry, IBM PC compatible	Data entry	Typewriter, data entry, 3270, IBM PC compatible
Function Keys	36	32	40	Vendor did not specify
Keyboard Ergonomics	Detachable, low profile, tilt adjustable, flip strip function key labeling Up, smooth	Detachable, low profile, tilt adjustable, Flip strip function key labeling Up, smooth	Detachable, low profile, tilt adjustable, Flip strip function key labeling Up	Detachable, low profile, tilt adjustable
Scrolling				Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, ANSI X3.64	TTY, VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, ANSI X3.64	Special Esprit windowing protocol	TTY, 3270 family, VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, IBM 316X, ANSI X3.64
Graphics Capability	No	No	Yes	Yes
Split Screen	Yes	Yes	Yes	No
Windows/Multisessions	No	Yes	Yes	No
Memory	2, 4 optional	2, 4 optional	Vendor did not specify	4
Editing Capabilities	Line insert/delete, character insert/delete, erase, express windows	Line insert/delete, character insert/delete, erase, express windows	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase, block insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ANSI, X3.64	ASCII, ANSI, X3.64	ASCII	SNA, ASCII, ANSI
Format	Character	Character, block, line	Character	Character, block, line
Maximum Speed (bps)	38.4K	38.4K	19.2K	38.4K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C	RS-232-C
Pricing and Availability				
Purchase Price (\$)	569.00	599.00	1,499.00	549.00
Annual Maintenance (\$)	12 month warranty	12 month warranty	12 month warranty	Vendor did not specify
Serviced By	Esprit	Esprit	Esprit	Facit, Inc.
Date of Announcement	Vendor did not specify	Vendor did not specify	Vendor did not specify	1989
Date of First Commercial Delivery	1988	1988	1988	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 954-9800	(408) 954-9800	(408) 954-9800	(603) 647-2700
Comments	—	—	—	—

Vendor	Falco Data Products	Falco Data Products	Falco Data Products	Falco Data Products
Product	5000	500e	5220e	5220s
Physical Specifications				
Screen Size, inches (diagonal)	14, flat profile	14, flat profile	14, flat profile	14, flat profile
Screen Capacity (characters)	6,600	6,600	6,600	6,600
Screen Arrangement (lines x char./line)	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC
Function Keys	16	16	16	16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	TTY, VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, IBM 3101, Data General 200, PC terminal	TTY, VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, ANSI X3.64, Data General 200, PC terminal	VT200 family, ANSI X3.64, VT320, VT100, VT52	TTY, VT100 family, VT200 family, VT330
Graphics Capability	Yes	Yes	Yes	No
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	15 screens	15 screens	7 screens	3
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU
Format	Character, block, line	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	38.4K	38.4K	38.4K	38.4K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	795.00	645.00	595.00	545.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.
Date of Announcement	June 1989	June 1989	May 1987	June 1989
Date of First Commercial Delivery	July 1989	July 1989	May 1987	June 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 745-7123	(408) 745-7123	(408) 745-7123	(408) 745-7123
Comments	Desktop accessories: calculator, calendar, clock, alarm	Desktop accessories: calculator, calendar, clock, alarm	Desktop accessories: calculator, calendar	Desktop accessories: calculator, calendar

Vendor	Falco Data Products	Falco Data Products	Falco Data Products	Falco Data Products
Product	5330e	5500e	5600	5600s
Physical Specifications				
Screen Size, inches (diagonal)	14, flat profile	14, flat profile	14, flat profile	14, flat profile
Screen Capacity (characters)	6,600	6600	6,600	6,600
Screen Arrangement (lines x char./line)	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC	Typewriter, data entry, IBM PC compatible, ASCII, VT220, 101 enhanced	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC
Function Keys	16	16	16	16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, VT330	TTY, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, IBM 3101, Data General 200, PC	VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, Data General 200, PC	TTY, VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, IBM 3101, Data General 200, PC
Graphics Capability	Yes	No	Yes	No
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	54 screens	3	7 screens	3
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU
Format	Character, block, line	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	38.4K	38.4K	38.4K	38.4K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA, optional serial/printer printer ports	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	1,495.00	495.00	595.00	545.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.
Date of Announcement	November 1989	May 1989	May 1989	June 1989
Date of First Commercial Delivery	November 1989	May 1989	May 1989	June 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 745-7123	(408) 745-7123	(408) 745-7123	(408) 745-7123
Comments	Desktop accessories: calculator, calendar, clock, alarm, mouse	Desktop accessories: calculator, calendar	Desktop accessories: calculator, calendar	Desktop accessories: calculator, calendar

Vendor	Falco Data Products	Falco Data Products	Falco Data Products	Falco Data Products
Product	Infinity ANSI Display Terminal	Infinity ANSI Display Terminal with Graphics	Infinity ASCII Display Terminal	Infinity ASCII Display Terminal with Graphics
Physical Specifications				
Screen Size, inches (diagonal)	14, flat profile	14, flat profile	14, flat profile	14, flat profile
Screen Capacity (characters)	6,600	6,600	6600	6,600
Screen Arrangement (lines x char./line)	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns	Up to 50 lines by 80 or 132 columns
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC 16	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC 16	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC 16	Typewriter, data entry, IBM PC compatible, ASCII, VT220, enhanced PC 16
Function Keys				
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	TTY, VT100 family, VT200 family, ANSI X3.64, VT320, VT52	TTY, VT100 family, ADDS, Lear Siegler, ANSI X3.64, Wyse 50/60	TTY, VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, Data General 200, PC terminal	VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, Data General 200, PC terminal
Graphics Capability	No	No	No	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	3	7 screens	3	7 screens
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SSU	ASCII, ANSI, X3.64, DEC SS
Format	Character, block, line	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	38.4K	38.4K	38.4K	38.4K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	595.00	645.00	595.00	645.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.	Falco Data Products, Inc.
Date of Announcement	July 1989	July 1989	July 1989	July 1989
Date of First Commercial Delivery	July 1989	July 1989	July 1989	July 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 745-7123	(408) 745-7123	(408) 745-7123	(408) 745-7123
Comments	70 Hz refresh rate, overscan; desktop accessories: calculator, calendar	70 Hz refresh rate, overscan; desktop accessories: calculator, calendar	70 Hz refresh rate, overscan; desktop accessories	70 Hz refresh, overscan; desktop accessories: calculator, calendar

Vendor	Falco Data Products	General Business Technology, Inc.	General Business Technology, Inc.	General Business Technology, Inc.
Product	Infinity Multipersonality Terminal with Graphics	GBT 7720DS Display Station	GBT 7721DS Display Station	GBT 7722DS Display Station
Physical Specifications				
Screen Size, inches (diagonal)	14, flat profile	14	14	14
Screen Capacity (characters)	6600	1,920	1,920	1,920
Screen Arrangement (lines x char./line)	Up to 50 lines by 80 or 132 columns	24 x 80	24 x 80	24 x 80
Status Line Character Color	Yes Green, white, amber	Yes Green, amber	Yes Green, amber	Yes Green, amber
Display Ergonomics	Tilt, swivel	Tilt	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, IBM PC compatible, ASCII, VT220, 101 enhanced	83 key	122 key	122 key
Function Keys	16	12	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down	Up & down	Up & down
Protect Format	Yes	No	No	No
Functional Specifications				
Compatibility	VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, ANSI X3.64, Data General 200, PC terminal	IBM 3196	IBM 3196	IBM 3196
Graphics Capability	Yes	No	No	No
Split Screen	Yes	No	No	No
Windows/Multisessions	Yes	No	No	Yes
Memory	7 screens	1	1	2
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Vendor did not specify	Vendor did not specify	Vendor did not specify
Technique	Asynchronous	Vendor did not specify	Vendor did not specify	Vendor did not specify
Code	ASCII	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	ASCII, ANSI, X3.64, DEC SSU	Twinax	Twinax	Twinax
Format	Character, block, line	Vendor did not specify	Vendor did not specify	Vendor did not specify
Maximum Speed (bps)	38.4K	Vendor did not specify	Vendor did not specify	Vendor did not specify
Terminal Interface	RS-232-C, RS-422, 20 mA	Twinax	Twinax	Twinax
Pricing and Availability				
Purchase Price (\$)	695.00	745.00	795.00	845.00
Annual Maintenance (\$)	Vendor did not specify	100	100	100
Serviced By	Falco Data Products, Inc.	JBT	JBT	JBT
Date of Announcement	July 1987	January 1989	January 1989	January 1989
Date of First Commercial Delivery	July 1987	January 1989	January 1989	January 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 745-7123	(714) 261-1891	(714) 261-1891	(714) 261-1891
Comments	70 Hz refresh, overscan; desktop accessories: calculator, calendar, clock, alarm	3-year replacement warranty	3-year replacement arranty	3-year replacement warranty

Vendor	General Business Technology, Inc.	General Business Technology, Inc.	General Business Technology, Inc.	General Digital Corp.
Product	GBT 7723DS Display Station	GBT 7724DS Display Station	GBT 7725DS Display Station	Graphics Vuepoint
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	11
Screen Capacity (characters)	1,920	1,920	1,920	Vendor did not specify
Screen Arrangement (lines x char./line)	24 x 80	24 x 80	24 x 80	80 x 25
Status Line	Yes	Yes	Yes	No
Character Color	White	White	White	Mono
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel, rackmount and other options available
Keyboard Style	122 key	122 key	122 key	Touch screen
Function Keys	12	24	24	0
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Touch screen
Scrolling	Up & down	Up & down	Up & down	Up & down, smooth
Protect Format	No	No	No	Yes
Functional Specifications				
Compatibility	IBM 3196	IBM 3196	IBM 3196	ANSI X3.64
Graphics Capability	No	No	No	Yes
Split Screen	No	No	No	Yes
Windows/Multisessions	No	No	Yes	Yes
Memory	1	1	2	15 STD., 128 Opt.
Editing Capabilities	Character insert/delete	Character insert/delete	Character insert/delete	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Vendor did not specify	Vendor did not specify	Vendor did not specify	Full duplex
Technique	Vendor did not specify	Vendor did not specify	Vendor did not specify	Asynchronous
Code	EBCDIC	EBCDIC	EBCDIC	ASCII
Communications Protocol	Twinax	Twinax	Twinax	ASCII
Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Maximum Speed (bps)	Vendor did not specify	Vendor did not specify	Vendor did not specify	19.2K
Terminal Interface	Twinax	Twinax	Twinax	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	995.00	995.00	1,095.00	6,000.00
Annual Maintenance (\$)	100	100	100	Vendor did not specify
Serviced By	JBT	JBT	JBT	General Digital Corp.
Date of Announcement	August 1989	August 1989	August 1989	1989
Date of First Commercial Delivery	August 1989	August 1989	August 1989	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(714) 261-1891	(714) 261-1891	(714) 261-1891	(203) 741-7177
Comments	3-year replacement warranty	3-year replacement warranty	3-year replacement warranty	Units can be either DC Plasma or Electroluminescent glass displays

Vendor	General Digital Corp.	General Digital Corp.	Harris Corp.	Harris Corp.
Product	Smart Vuepoint	Vuepoint II	H191-E	H191-S
Physical Specifications				
Screen Size, inches (diagonal)	11	11	12, 14	12, 14
Screen Capacity (characters)	480	480	1,920	1,920
Screen Arrangement (lines x char./line)	12 x 40	12 x 40	24 x 80	24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Amber	Amber	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel, see comments	Tilt, swivel	Tilt, swivel
Keyboard Style	Touch screen	Touch screen	Typewriter, data entry	Typewriter, data entry
Function Keys	0	0	24	24
Keyboard Ergonomics	Touch screen	Touch screen	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	None	None
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	ANSI X3.64	Proprietary	3270 family	3270 family
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	No	No	No	No
Memory	15 STD., 128 Opt.	3, 128 - optional	1	1
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Vendor did not specify	Synchronous	Synchronous
Code	ASCII	ASCII	EBCDIC	EBCDIC
Communications Protocol	ASCII	ASCII	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25
Format	Vendor did not specify	Vendor did not specify	Block	Vendor did not specify
Maximum Speed (bps)	19.2K	19.2K	19.2K to 64K	Vendor did not specify
Terminal Interface	RS-232-C, RS-422, 20 mA, RS-423, 485 TTL	RS-232-C, RS-422, 20 mA, RS-423	RJ-11	RJ-11
Pricing and Availability				
Purchase Price (\$)	4,475.00	3,223.00	1,445.00	1,280.00
Annual Maintenance (\$)	Not applicable	Vendor did not specify	55	45
Serviced By	General Digital Corp.	General Digital Corp.	Harris Customer Support	Harris Customer Support
Date of Announcement	1985	1979	September 1987	September 1987
Date of First Commercial Delivery	1985	1979	December 1987	November 1987
Number of Units Installed to Date	100	73,000	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(203) 741-7177	(203) 741-7171	(214) 386-2001	(214) 386-2393
Comments	Units can be either DC Plasma or Electroluminescent glass displays	Units can be either DC Plasma or Electroluminescent glass displays; a rack mount and a variety of protective display enclosures are available	Coax Multidrop feature; RJ connector; incorporates extended features such as printer support, extended highlighting, 1,536 - char. keystroke storage/playback, and a set-up mode	Coax Multidrop feature; RJ-11 connector

Vendor	Harris Corp.	Harris Corp.	Harris Corp.	Hewlett-Packard Co.
Product	H192-C	H192-D	H192-F	HP 700/22
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920	1,920, 2,560, 3,440, 3,564	1,920, 2,560, 3,440, 3,564	3,168
Screen Arrangement (lines x char./line)	24 x 80	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Multicolor, 7-color	Green, amber	7-color	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry	Typewriter, data entry	Typewriter, data entry	VT220
Function Keys	24	24	24	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	None	Up & down	None	Up & down, smooth
Protect Format	Yes	Yes	Yes	No
Functional Specifications				
Compatibility	3270 family	3270 family	3270 family	VT100 family, VT200 family, ANSI X3.64, VT52
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	No	No	No	No
Memory	1	1	1	4
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Full duplex	Full duplex
Technique	Synchronous	Synchronous	Synchronous	Asynchronous
Code	EBCDIC	EBCDIC	EBCDIC	ASCII
Communications Protocol	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	ASCII
Format	Block	Vendor did not specify	Block	Character
Maximum Speed (bps)	19.2K to 64K	19.2K to 64K	19.2K to 64K	75 to 38.4K
Terminal Interface	RJ-11	RJ-11	Coaxial	RS-232-C, 20 mA
Pricing and Availability				
Purchase Price (\$)	2,050.00	1,830.00	2,250.00	529.00
Annual Maintenance (\$)	100	67	105	36-84 per agreement
Serviced By	Harris Customer Support	Harris Customer Support	Harris Customer Support	HP
Date of Announcement	March 1988	February 1988	March 1988	September 1987
Date of First Commercial Delivery	April 1988	April 1988	May 1988	September 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(214) 386-2001	(214) 386-2001	(214) 386-2001	(800) 752-0900
Comments	Coax Multidrop feature; RJ-11 connector	Coax Multidrop feature; RJ-11 connector	Coax Multidrop Feature, RJ-11 connector	DEC/ANSI-compatible

Vendor	Hewlett-Packard Co.	Hewlett-Packard Co.	Hewlett-Packard Co.	Hewlett-Packard Co.
Product	HP 700/32	HP 700/43	HP 700/44 PC Terminal	HP 700/92
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	3,168	3,168	3,300	3,168
Screen Arrangement (lines x char./line)	24 lines by 80 or 132 columns	24 x 80, 24 x 132	24 x 80, 24 x 132, 25 x 80	24 x 80, 24 x 132
Status Line Character Color	Yes Green, white, amber	Yes Green, white, amber	Vendor did not specify. Green, amber, soft white	Yes Green, white, amber, Black on soft white
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	VT 320	ASCII (106-keys)	IBM PC-compatible	HP 2392A layout; (109-keys)
Function Keys	60	16	12	16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	No	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, VT320	WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler	VT100 family, VT200 family, ANSI X3.64, VT52	VT100 family, VT200 family, ANSI X3.64, VT52 mode, HP 2392A
Graphics Capability	No	No	No	No
Split Screen	No	Yes	No	No
Windows/Multisessions	No	No	No	No
Memory	4	4	4	8
Editing Capabilities	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Character insert/delete	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Full duplex	Half/full duplex	Full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	X3.64	ASCII	ASCII	ASCII
Format	Character, block	Character, block	Character	Character, block
Maximum Speed (bps)	38.4K	50 to 38.4K	75 to 38.4K	75 to 38.4K
Terminal Interface	RS-232-C, RS-422, DEC 423	RS-232-C, RS-422	RS-232-C, 20 mA	RS-232-C, RS-422
Pricing and Availability				
Purchase Price (\$)	575.00	575.00	599.00	895.00
Annual Maintenance (\$)	36-84 per agreement	36-84 per agreement	36-84 per agreement	36-84 per agreement
Serviced By	HP	HP	HP	HP
Date of Announcement	Vendor did not specify	March 1988	March 1988	September 1987
Date of First Commercial Delivery	Vendor did not specify	March 1988	March 1988	September 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(800) 752-0900	(800) 752-0900	(800) 752-0900	(800) 752-0900
Comments	DEC/ANSI-compatible	Screen saver feature	—	—

Vendor	Hewlett-Packard Co.	Houston Computer Service, Inc.	Human Designed Systems, Inc.	Human Designed Systems, Inc.
Product	HP 700/94	PLUS10 Model 5	HDS 3200 Model 10	HDS 3200 Model 25
Physical Specifications				
Screen Size, inches (diagonal)	14	14	15	15
Screen Capacity (characters)	3,168	1,920	1,920, 3,168	1,920, 3,168, 3,840, 6,336
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80	24 x 80, 24 x 132, 25 x 80, 25 x 132	24 x 80, 24 x 132, 25 x 80, 25 x 132, 50 x 80, 50 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	HP 2394A layout; (109-keys)	Typewriter	VT220	APL, VT220
Function Keys	16	32	26	26
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	Yes	No	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, ANSI X3.64, VT52, HP 2394A	T1 931	VT200 family, Tektronix 4010/4014	VT200 family, Tektronix 4010/4014
Graphics Capability	No	No	Yes	Yes
Split Screen	No	No	Yes	Yes
Windows/Multisessions	No	No	Yes	Yes
Memory	16	1	4 std.; 8 opt.	4 std.; 8 opt.
Editing Capabilities	Line insert/delete, character insert/delete	Vendor did not specify	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Async/sync	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Format	Character, block, line	Character	Character	Character
Maximum Speed (bps)	38.4K	19.2K	38.4K	38.4K
Terminal Interface	RS-232-C, RS-422	RS-232-C	RS-232-C, 20 mA	RS-232-C, 20 mA
Pricing and Availability				
Purchase Price (\$)	1,195.00	629.00	799.00	1,099.00
Annual Maintenance (\$)	36-84 per agreement	84	One year warranty	One year warranty
Serviced By	HP	Texas Instruments Data	HDS or third party	HDS or third party
Date of Announcement	September 1987	1985	Vendor did not specify	Vendor did not specify
Date of First Commercial Delivery	September 1987	1985	Vendor did not specify	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	10,000	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(800) 752-0900	(713) 493-9900	(215) 382-5000	(215) 382-5000
Comments	—	The only commercially available TI 931 plug-compatible CRT; for use with DX10 DNOS and UNIX without software modification	Medium-resolution graphics 1056 x 400 pixels	High-resolution graphics 1056 x 800 pixels

Vendor	Human Designed Systems, Inc.	I-O Corp.	I-O Corp.	I-O Corp.
Product	HDS 3200 Model 35	2196	2476C	2476D
Physical Specifications				
Screen Size, inches (diagonal)	15	11	11	11
Screen Capacity (characters)	1,920, 3,168, 3,840, 6,336	1,920, 3,840	1,920, 3,840	1,920, 3,840
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132, 25 x 80, 25 x 132, 50 x 80, 50 x 132	24 x 80, 27 x 132	24 x 80, 27 x 132	24 x 80, 27 x 132
Status Line Character Color	Yes Green, white, amber	Yes Green, white, amber, multicolor	Yes Multicolor	Yes Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel, flat nonglare screen	Tilt, swivel, flat nonglare screen	Tilt, swivel, flat nonglare screen
Keyboard Style	APL, VT220	IBM PC compatible, IBM 5250 (83 or 122 keys)	IBM PC compatible, IBM 5250 (83 or 122 keys)	IBM PC compatible, IBM 5250 (83 or 122 keys)
Function Keys	26	12, 24	12, 24	12, 24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down	Up & down	Up & down
Protect Format	Yes	Vendor did not specify	Vendor did not specify	Vendor did not specify
Functional Specifications				
Compatibility	VT200 family, Tektronix 4010/4014	IBM 5250 family	IBM 5250 family	IBM 5250 family
Graphics Capability	Yes	No	No	No
Split Screen	Yes	Vendor did not specify	Vendor did not specify	Vendor did not specify
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	4 std.; 8 opt.	1	2	2
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half duplex	Half duplex	Half duplex
Technique	Asynchronous	Synchronous	Synchronous	Synchronous
Code	ASCII	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	ASCII, ANSI, X3.64	IBM twinaxial	IBM twinaxial	IBM twinaxial
Format	Character	Vendor did not specify	Vendor did not specify	Vendor did not specify
Maximum Speed (bps)	38.4K	Not applicable	Vendor did not specify	Vendor did not specify
Terminal Interface	RS-232-C, RS-422	IBM twinaxial	IBM twinaxial	IBM twinaxial
Pricing and Availability				
Purchase Price (\$)	1,399.00	795.00	1,295.00	1,295.00
Annual Maintenance (\$)	One year warranty	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	HDS or third party	I-O Corp., dealers	I-O Corp., dealers	I-O Corp., dealers
Date of Announcement	Vendor did not specify	November 11, 1989	November 11, 1989	November 11, 1989
Date of First Commercial Delivery	Vendor did not specify	December 11, 1989	December 11, 1989	December 11, 1989
Number of Units Installed to Date	Vendor did not specify	50	50	50
Vendor Telephone Number	(215) 382-5000	(801) 973-6767	(801) 973-6767	(801) 973-6767
Comments	High resolution graphics - 1056 x 80; zoom and pan; 256K bytes graphics memory	The I-O 2196 provides essential features in a low cost twinaxial display station	The I-O 2476C is an affordable full color twinax display station with dual sessions and a PC printer port	The I-O 2476D provides dual screen sessions and a PC printer port in a cost effective monochrome display station for the IBM twinax environment

Vendor	I-O Corp.	I-O Corp.	IDEAssociates, Inc.	IDEAssociates, Inc.
Product	2477C	2477D	176	177
Physical Specifications				
Screen Size, inches (diagonal)	11	11	14	14
Screen Capacity (characters)	1,920, 3,840	1,920, 3,840	1,920	1,920, 3,564
Screen Arrangement (lines x char./line)	24 x 80, 27 x 132	24 x 80, 27 x 132	24 x 80	24 x 80, 132 x 27
Status Line	Yes	Yes	Yes	Yes
Character Color	Multicolor	Green, white, amber	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel, flat nonglare screen	Tilt, swivel, flat nonglare screen	Tilt, swivel	Tilt, swivel
Keyboard Style	IBM PC compatible, IBM 5250 (83 or 122 keys)	IBM PC compatible, IBM 5250 (83 or 122 keys)	IBM PC compatible, IBM 3180	IBM PC compatible, IBM 3180
Function Keys	12, 24	12, 24	12, 24	12, 24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up & down
Protect Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Functional Specifications				
Compatibility	IBM 5250 family	IBM 5250 family	IBM midrange (5250, 3180, 319X, 347X)	IBM midrange (5250, 3180, 319X, 347X)
Graphics Capability	No	No	No	No
Split Screen	Vendor did not specify	Vendor did not specify	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	3	3	Vendor did not specify	Vendor did not specify
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half duplex	Half duplex	Vendor did not specify	Vendor did not specify
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	IBM twinaxial	IBM twinaxial	Vendor did not specify	Vendor did not specify
Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Maximum Speed (bps)	Vendor did not specify	Vendor did not specify	9600	9600
Terminal Interface	IBM twinaxial	IBM twinaxial	Twinaxial	Twinaxial
Pricing and Availability				
Purchase Price (\$)	1,595.00	1,395.00	995.00	1,395.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	100 for 3 years	100 for 3 years
Serviced By	I-O Corp., dealers	I-O Corp., dealers	IDEAssociates or IDEA Servcom	IDEAssociates or IDEA Servcom
Date of Announcement	November 11, 1989	November 11, 1989	August 1987	August 1987
Date of First Commercial Delivery	December 11, 1989	December 11, 1989	September 1987	September 1987
Number of Units Installed to Date	50	50	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(801) 973-6767	(801) 973-6767	(508) 663-6878	(508) 663-6878
Comments	The I-O 2477C is a full-featured color display for use with the IBM AS/400 or S/3X. Other models in this line include lower cost monochrome units.	The I-O 2477D is a full-featured monochrome display supporting 5219 emulation for the IBM twinax environment. It provides three screen sessions and a printer port.	—	—

Vendor	IDEAssociates, Inc.	IDEA Courier, Inc.	IDEA Courier, Inc.	IDEA Courier, Inc.
Product	177C	9291	9291-2DX	9292-2C
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 3,564	1,920	1,920, 2,560, 3,440	1,920, 2,560, 3,440
Screen Arrangement (lines x char./line)	24 x 80, 132 x 27	24 x 80	24 x 80, 32 x 80, 43 x 80	24 x 80, 32 x 80, 43 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Multicolor	Green, amber	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Swivel
Keyboard Style	IBM PC compatible, IBM 3180	Typewriter, data entry, 3270	3270	Typewriter, data entry, APL
Function Keys	12, 24	24	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	None	Vendor did not specify	Up & down
Protect Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	No
Functional Specifications				
Compatibility	IBM midrange (5250, 3180, 319X, 347X)	3270 family	3270 family	3270 family
Graphics Capability	No	No	No	No
Split Screen	Yes	No	No	No
Windows/Multisessions	Yes	No	No	No
Memory	Vendor did not specify	1	1	1
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete
Transmission Specifications				
Mode	Vendor did not specify	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	Vendor did not specify	BSC, SDLC, SNA	Coax A	Coax A
Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Maximum Speed (bps)	9600	Vendor did not specify	Vendor did not specify	Vendor did not specify
Terminal Interface	Twinaxial	Coaxial	Coaxial	Coaxial
Pricing and Availability				
Purchase Price (\$)	1,595.00	975.00	1,175.00	1,400.00
Annual Maintenance (\$)	100 for 3 years	3 year warranty	72 - 144	72 - 144
Serviced By	IDEAssociates or IDEA Servcom	IDEA Servcom	IDEA Servcom	IDEA Servcom
Date of Announcement	August 1987	1986	January 1988	January 1988
Date of First Commercial Delivery	September 1987	1986	January 1988	February 1988
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(508) 663-6878	(602) 894-7475	(602) 894-7475	(602) 894-7475
Comments	—	Additional features: reveal mode, variable field, underline	Calculator; enhanced setup; 6000 auto-keystroke capability	Calculator; 6000 auto keystroke capability

Vendor	IDEA Courier, Inc.	IDEA Courier, Inc.	Informer Computer Terminals	Informer Computer Terminals
Product	9292-2DX	9292-2F	205/374 Dekstop Workstation	207/102/PCS Portable Protocol Converter Wkstn.
Physical Specifications				
Screen Size, inches (diagonal)	15	14	12	9
Screen Capacity (characters)	1,920, 2,560, 3,440	960, 1,920, 2,560, 3,168, 3,440, 3,564	3,564	3,564
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 32 x 80, 43 x 80, 24 x 132
Status Line Character Color	Yes Green, white, amber	Yes Multicolor	Yes Green	Yes Green
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt	Portable
Keyboard Style	3270	3270	Data entry, IBM PC compatible	3270
Function Keys	24	24	24	24
Keyboard Ergonomics	Detachable, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile	Detachable, low profile
Scrolling	Up & down	Vendor did not specify	Vendor did not specify	Vendor did not specify
Protect Format	No	Vendor did not specify	Vendor did not specify	No
Functional Specifications				
Compatibility	3270 family	3270 family	3270 family	VT100 family
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	Vendor did not specify	No	Yes	No
Memory	Vendor did not specify	1	Vendor did not specify	Vendor did not specify
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete	Character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half duplex	Full duplex
Technique	Synchronous	Synchronous	Synchronous	Asynchronous
Code	EBCDIC	EBCDIC	EBCDIC	ASCII
Communications Protocol	X3.64, Coax A	Coax A	BSC, SDLC, SNA	ASCII, ANSI
Format	Vendor did not specify	Vendor did not specify	Block	Character
Maximum Speed (bps)	Vendor did not specify	Vendor did not specify	38.4K	19.2K
Terminal Interface	20 mA, coaxial	Coaxial	RS-232-C, coaxial, internal modem	RS-232-C, internal V.22bis modem
Pricing and Availability				
Purchase Price (\$)	1,175	1,575.00	2,700.00	1,550.00
Annual Maintenance (\$)	72 - 144	72 - 144	288	244
Serviced By	IDEA Servcom	IDEA Servcom	Decision Data Computer Corp.	Decision Data Computer Corp.
Date of Announcement	July 1988	January 1988	Vendor did not specify	Vendor did not specify
Date of First Commercial Delivery	July 1988	February 1988	Vendor did not specify	Vendor did not specify
Number of Units Installed to Date	88,608	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(602) 894-7475	(602) 894-7475	(714) 891-1112	(714) 891-1112
Comments	—	—	—	—

Vendor	Informer Computer Terminals	Informer Computer Terminals	Informer Computer Terminals	Intecolor Corp.
Product	207/374 IBM-Compatible Portable Terminal	213 Portable IBM-Compatible Workstation	221 Laptop Protocol Converter Workstation	3815
Physical Specifications				
Screen Size, inches (diagonal)	9	9	9	14
Screen Capacity (characters)	3,564	1,920	1,920	3840
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80	24 x 80, 24 x 132	48 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green	Amber, electroluminescent	Amber, backlit/supertwist LCD	Multicolor
Display Ergonomics	Portable	Tilt	Tilt	Tilt
Keyboard Style	3270	3270	3270	Typewriter
Function Keys	24	24	24	16
Keyboard Ergonomics	Detachable, low profile	Detachable, low profile, tilt adjustable	Detachable, low profile	Detachable
Scrolling	Vendor did not specify	None	Smooth	Up & down
Protect Format	Vendor did not specify	No	Yes	Yes
Functional Specifications				
Compatibility	3270 family	3270 family, VT100 family, multiple emulation	3270 family, VT100 family	TTY, ANSI X3.64
Graphics Capability	No	No	No	Yes
Split Screen	No	No	No	Yes
Windows/Multisessions	Yes	Yes	No	No
Memory	Vendor did not specify	Vendor did not specify	Vendor did not specify	1 - 4 screens
Editing Capabilities	Vendor did not specify	Character insert/delete, erase	Character insert/delete, erase	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half duplex	Half/full duplex	Full duplex	Half/full duplex
Technique	Synchronous	Async/sync	Asynchronous	Asynchronous
Code	ASCII	ASCII, EBCDIC	ASCII	ASCII
Communications Protocol	SDLC, SNA	BSC, SDLC, SNA, ASCII, ANSI	ASCII, ANSI, X3.64	ASCII
Format	Block	Character, block	Character	Character
Maximum Speed (bps)	19.2K	64K	Vendor did not specify	38.4K
Terminal Interface	RS-232-C, coaxial, internal modem	RS-232-C, internal modem	RS-232-C, internal modem	RS-232-C, coaxial, 20mA
Pricing and Availability				
Purchase Price (\$)	2,700.00	3,200.00	1,798.00	3,265.00
Annual Maintenance (\$)	381	285	165	489
Served By	Decision Data Computer Corp.	Decision Data Computer Corp.	Informer Factory Service	Intecolor Corp.
Date of Announcement	Vendor did not specify	Vendor did not specify	Vendor did not specify	February 1988
Date of First Commercial Delivery	Vendor did not specify	Vendor did not specify	Vendor did not specify	February 1988
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	8,000
Vendor Telephone Number	(714) 891-1112	(714) 891-1112	(714) 891-1112	(404) 623-9145
Comments	—	—	—	Desktop and rackmount models are available; many other options available

Vendor	Intecolor Corp.	Intecolor Corp.	Integrated Design Engineering	Intelligent Information Systems
Product	CT210	CT220	Classic	IS-196-1E
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920	1,920, 3,168	1,920	1,920
Screen Arrangement (lines x char./line)	24 x 80	24 x 80, 24 x 132	24 x 80	24 x 80
Status Line	No	Yes	Yes	Yes
Character Color	Multicolor	Multicolor	Green, white, amber	Green, amber
Display Ergonomics	Tilt	Tilt	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	VT220	Data entry	Typewriter, data entry
Function Keys	24	25	12	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	None	Up & down, smooth	Up & down, smooth	None
Protect Format	No	No	Yes	Yes
Functional Specifications				
Compatibility	TTY, VT100 family, ANSI X3.64	TTY, VT100 family, VT200 family, ANSI X3.64	NCR 796-301, 7900-3	System/3X and AS/400 display families
Graphics Capability	Yes	No	No	No
Split Screen	Yes	No	No	No
Windows/Multisessions	No	No	No	Yes
Memory	Vendor did not specify	1	1	1
Editing Capabilities	Line insert/delete, erase	Line insert/delete, character insert/delete, erase	Character insert/delete, erase	Character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Synchronous
Code	ASCII	ASCII	ASCII	EBCDIC
Communications Protocol	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ISO-Async	IBM 5250 twinax
Format	Character	Character	Line, block	Character, block, line
Maximum Speed (bps)	19.2K	19.2K	19.2K	1M
Terminal Interface	RS-232-C, coaxial, 20mA	RS-232-C, coaxial	RS-232-C	Twinaxial
Pricing and Availability				
Purchase Price (\$)	1,930.00	2,195.00	725.00	Vendor did not specify
Annual Maintenance (\$)	289	329	108	Vendor did not specify
Serviced By	Intecolor Corp.	Intecolor Corp.	IDE, NCR	IIS or third party
Date of Announcement	1982	1984	January 1988	March 1987
Date of First Commercial Delivery	Vendor did not specify	1984	January 1988	April 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	3,500	Vendor did not specify
Vendor Telephone Number	(404) 623-9145	(404) 623-9145	(314) 343-0005	(201) 343-8353
Comments	Rackmount enclosure available	Touchscreen (Infra-Red) option; PBG video output option; rackmount enclosure available	—	—

Vendor	Intelligent Information Systems	Intelligent Information Systems	Intelligent Information Systems	Intelligent Information Systems
Product	IS-196E	IS-391D	IS-391H	IS-392C
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920	1,920, 2,560	1,920	1,920, 2,560
Screen Arrangement (lines x char./line)	24 x 80	24 x 80, 32 x 80	24 x 80	24 x 80, 32 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Green, amber	Multicolor
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry	Typewriter, data entry, 3270	Typewriter, data entry	Typewriter, APL, 3270
Function Keys	24	24	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	None	Up & down	Vendor did not specify	Up & down
Protect Format	Yes	Yes	Vendor did not specify	Yes
Functional Specifications				
Compatibility	System/3X and AS/400 display families	3270 family	3270 family	3270 family
Graphics Capability	No	No	No	No
Split Screen	No	Yes	Yes	Yes
Windows/Multisessions	No	Yes	Vendor did not specify	No
Memory	1	2	Vendor did not specify	1
Editing Capabilities	Character insert/delete, erase	Line insert/delete, character insert/delete, erase	Vendor did not specify	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Half duplex	Vendor did not specify	Half duplex
Technique	Synchronous	Async/sync	Vendor did not specify	Synchronous
Code	EBCDIC	EBCDIC	Vendor did not specify	EBCDIC
Communications Protocol	IBM 5250 twinax	BSC, SDLC, SNA, ANSI, X.25	BSC, SDLC, SNA, ANSI, X.25	BSC, SDLC, SNA, X.25
Format	Character, block, line	Character, block, line	Vendor did not specify	Character, block, line
Maximum Speed (bps)	1M	64K SNA/SDLC; 9.2K BSC	64K SNA/SDLC; 19.2K BSC	64K SNA/SDLC; 19.2K BSC
Terminal Interface	Twinaxial	Coaxial	Coaxial	Coaxial
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Served By	IIS or third party	IIS or third party	Vendor did not specify	IIS or third party
Date of Announcement	October 1987	Vendor did not specify	Vendor did not specify	July 1987
Date of First Commercial Delivery	October 1987	Vendor did not specify	Vendor did not specify	July 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 343-8353	(201) 343-8353	(201) 343-8353	(201) 343-8353
Comments	—	—	—	—

Vendor	Intelligent Information Systems	Intelligent Information Systems	Intelligent Information Systems	Intelligent Information Systems
Product	IS-392D	IS-392F	IS-396E	IS-397-1E
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 2,560, 3,440, 3,564	1,920, 2,560, 3,440, 3,564	1,920, 3,564	1,920, 3,564
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80, 27 x 132	24 x 80, 27 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Multicolor	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, 3270	Typewriter, data entry, 3270	Typewriter, data entry	Typewriter, data entry
Function Keys	24	24	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	None	None
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family	3270 family	System/3X and AS/400 display families	System/3X and AS/400 display families
Graphics Capability	No	No	No	No
Split Screen	Yes	Yes	No	No
Windows/Multisessions	Yes	Yes	No	Yes
Memory	4	4	1	13
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Character insert/delete, erase
Transmission Specifications				
Mode	Half duplex	Half duplex	Full duplex	Full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	IBM 5250 twinax	IBM 5250 twinax
Format	Character, block, line	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	64K SNA/SDLC, 19.2K BSC	64K SNA/SDLC; 19.2K BSC	1M	Vendor did not specify
Terminal Interface	Coaxial	Coaxial	Twinaxial	Twinaxial
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	IIS or third party	IIS or third party	IIS or third party	IIS or third party
Date of Announcement	May 1987	November 1987	October 1986	October 1986
Date of First Commercial Delivery	May 1987	November 1987	October 1986	October 1986
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 343-8353	(201) 343-8353	(201) 343-8353	(201) 343-8353
Comments	—	—	—	—

Vendor	Intelligent Information Systems	Intelligent Information Systems	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)
Product	IS-397C	IS-397D	3151 ASCII Display Station Model 110	3151 ASCII Display Station Model 310
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 3,564	1,920, 3,564	1,920	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 27 x 132	24 x 80, 27 x 132	24 x 80	24 x 80, 24 x 132
Status Line Character Color	Yes Multicolor	Yes Green, amber	Yes Green	Yes Green
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt and swivel optional	Tilt and swivel optional
Keyboard Style	Typewriter, data entry	Typewriter, data entry	Typewriter	Typewriter
Function Keys	24	24	12	12
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Vendor did not specify	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Vendor did not specify	Yes	Yes
Functional Specifications				
Compatibility	System/3X and AS/400 display families	System/3X and AS/400 display families	TeleVideo, ADDS, Lear Siegler, HZ 1500	TeleVideo, ADDS, Lear Siegler, HZ 1500; cartridges for DEC 220 and Wyse
Graphics Capability	No	No	No	Yes
Split Screen	Yes	Yes	No	Yes
Windows/Multisessions	Yes	Yes	No	No
Memory	2	2	1	1
Editing Capabilities	Character insert/delete, erase	Character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Synchronous	Asynchronous	Asynchronous
Code	EBCDIC	EBCDIC	ASCII	ASCII
Communications Protocol	IBM 5250 twinax	IBM 5250 twinax	ASCII	ASCII, ANSI w/opt. cart.
Format	Character, block, line	Character, block, line	Character, block	Character, block
Maximum Speed (bps)	1M	1M	38.4K	38.4K
Terminal Interface	Twinaxial	Twinaxial	RS-232-C	RS-232-C, RS-422 w/opt.
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	415.00	555.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	27	27
Served By	IIS or third party	IIS or third party	IBM	IBM
Date of Announcement	March 1989	March 1988	June 1987	June 1987
Date of First Commercial Delivery	March 1989	March 1988	June 1987	June 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(201) 343-8353	(201) 343-8353	(914) 765-1900	(914) 765-1900
Comments	—	—	—	36 function keys using shift/alt; multisessions (not windows) supported with optional cartridge

Vendor	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)
Product	3193	3194	InfoWindow 3471 Monochrome Models EA, EG	InfoWindow 3472 Color Model FC
Physical Specifications				
Screen Size, inches (diagonal)	15	14	14	14
Screen Capacity (characters)	1,920, 3,840	1,920	1,920	1,920, 2,560, 3,440, 3,564
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 48 x 80	24 x 80	24 x 80	24 x 80, 32 x 80, 43 x 80, 27 x 132
Status Line Character Color	Vendor did not specify White	Vendor did not specify Multicolor	Yes Green, amber	Yes Multicolor
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry	Typewriter, data entry	Typewriter, data entry, 3270, IBM PC compatible	Typewriter, data entry, APL, 3270, IBM PC compatible
Function Keys	24	24	24	24
Keyboard Ergonomics	Detachable	Detachable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	None	None	Up & down	Vendor did not specify
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	IBM 3278 Model 2, 3, 4; 3178	IBM 3279 Model 1	3270 family	3270 family
Graphics Capability	Yes	No	No	No
Split Screen	Yes	Yes	No	No
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	Vendor did not specify	Yes	Screen buffers	Buffers in 3174
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	BSC, SDLC, SNA	BSC, SDLC, SNA	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25
Format	Block	Block	Block	Block
Maximum Speed (bps)	1200 to 64K	1200 to 64K	64K attached to 3174 controller	64K attached to 3174 controller
Terminal Interface	Coaxial, twisted pair	Coaxial, twisted pair	Coaxial, twisted pair	Coaxial, twisted pair
Pricing and Availability				
Purchase Price (\$)	2,610.00	2,550.00	995.00	1,620.00
Annual Maintenance (\$)	51 to 77	125	65	80
Serviced By	IBM	IBM	IBM Corp.	IBM Corp.
Date of Announcement	June 1986	June 1986	June 20, 1989	September 5, 1989
Date of First Commercial Delivery	September 1986	September 1986	June 1989	September 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(914) 765-1900	(914) 765-1900	(914) 765-1900	(914) 765-1900
Comments	Part of 3270 information display system, attaches to 3174, 3274, or 3276 control unit, Models 010 and 020, provides multiple logical terminals, multiplepartions, and imaging	Part of 3270 information display system, attaches to 3174, 3274, or 3276 control unit, Models H10/20/30, D10/20/30, C10/20/30; pricing up to \$3,030, printer port (std.), async interface option	—	—

Vendor	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)	International Business Machines Corp. (IBM)
Product	InfoWindow 3472 Monochrome Models FA, FD, FG	InfoWindow 3476 Monochrome Models EA, EG	InfoWindow 3477 Color Model FC	InfoWindow 3477 Monochrome Models FA, FD, FG
Physical Specifications				
Screen Size, inches (diagonal)	14, 15	14	14	14, 15
Screen Capacity (characters)	1,920, 2,560, 3,440, 3,564	1,920	1,920, 3,564	1,920, 3,564, 3,360
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80	24 x 80, 27 x 132; 24 X 80 split screen	24 x 80, 27 x 132; 24 X 80 split screen
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Multicolor	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, APL, 3270, IBM PC compatible	Typewriter, data entry, 3270, IBM PC compatible	Typewriter, 3270, IBM PC compatible	Typewriter, 3270, IBM PC compatible
Function Keys	24	24	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family	IBM 5250 family	IBM 5220 family	IBM 5250 family
Graphics Capability	No	No	No	No
Split Screen	No	No	Yes	Yes
Windows/Multisessions	Yes	No	Yes	Yes
Memory	Screen buffers	Vendor did not specify	2	2
Editing Capabilities	Character insert/delete, erase	Character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase, see comments
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	BSC, SDLC, SNA, X.25	BSC, SDLC, SNA, X.25	SDLC, X.25, X.21, V.35, EIA 232-D	BSC, SDLC, SNA, X.25
Format	Block	Block	Block	Block
Maximum Speed (bps)	64K attached to 3174 controller	64K attached to 3174 controller	64K attached to 3174 controller	64K attached to 3174 controller
Terminal Interface	Coaxial, twisted pair	Twinax cable or twisted pair	Twinax cable or twisted pair	Twinax cable or twisted pair
Pricing and Availability				
Purchase Price (\$)	1,295.00	995.00	1,620.00	1,295.00
Annual Maintenance (\$)	64	65	80	64
Served By	IBM Corp.	IBM Corp.	IBM Corp.	IBM Corp.
Date of Announcement	September 5, 1989	June 20, 1989	September 5, 1989	September 5, 1989
Date of First Commercial Delivery	September 1989	June 1989	September 1989	September 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(914) 765-1900	(914) 765-1900	(914) 765-1900	(914) 765-1900
Comments	—	—	Displays characters exactly as they will appear on the printed page	Displays characters exactly as they will appear on the printed page

Vendor	International Business Machines Corp. (IBM)	Kimtron Corp.	Kimtron Corp.	Kimtron Corp.
Product	InfoWindow Graphics-5 3472 Model GC	KT 220/PC	KT-220	KT-70
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 2,560, 3,440, 3,564	1,920, 3,168	1,920, 3,168	Vendor did not specify
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80	24 x 80	25 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Multicolor	Green, amber	Green, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, APL, 3270, IBM PC compatible	IBM PC compatible, VT220	VT220	IBM PC compatible
Function Keys	24	30	30	16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family	VT100 family, ANSI X3.64	ANSI X3.64	VT100 family, TeleVideo, Data General
Graphics Capability	Yes	No	No	No
Split Screen	No	Yes	Yes	No
Windows/Multisessions	Yes	Yes	Yes	No
Memory	Screen buffers	3	3	1 - 4
Editing Capabilities	Character insert/delete, erase	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Asynchronous	Asynchronous	Asynchronous
Code	EBCDIC	ASCII	ASCII	ASCII
Communications Protocol	BSC, SDLC, SNA, X.25	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Format	Vendor did not specify	Character	Character	Character
Maximum Speed (bps)	64K attached to 3174 controller	38.4K	38.4K	19.2K
Terminal Interface	Coaxial, twisted pair	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C
Pricing and Availability				
Purchase Price (\$)	2,390.00	649.00	649.00	599.00
Annual Maintenance (\$)	90	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	IBM Corp.	Vendor did not specify	Vendor did not specify	Vendor did not specify
Date of Announcement	September 5, 1989	November 1987	November 1987	November 1987
Date of First Commercial Delivery	November 1989	March 1988	March 1988	March 1988
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(914) 765-1900	(408) 436-6550	(408) 436-6550	(408) 436-6550
Comments	—	PC compatible w/ANSI	Dual host capability	Optional internal 2400 baud MNP Class 5 modem

Vendor	Kimtron Corp.	Lee Data Corp.	Lee Data Corp.	Lee Data Corp.
Product	KT-70 PC Terminal	1191 IBM Plug-Compatible Display	1192 IBM Plug-Compatible Display	1222 Display
Physical Specifications				
Screen Size, inches (diagonal)	14	15	14, 15	15
Screen Capacity (characters)	2,000	1,920	1,920, 2,560, 3,440, 3,564	1,920, 2,560, 3,440, 3,564
Screen Arrangement (lines x char./line)	25 x 80	24 x 80	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 32 x 80, 43 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, amber	Green, amber, multicolor	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	IBM PC compatible	3270	3270	3270
Function Keys	20	24	24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	None	Up & down	Up & down
Protect Format	Yes	Optional	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, TeleVideo	3270 family	3270 family	TTY, 3270 family, VT100 family, VT200 family, TeleVideo, Esprit/Hazeltine, IBM 3101
Graphics Capability	No	No	No	No
Split Screen	No	No	Yes	Yes
Windows/Multisessions	No	No	Yes	Yes
Memory	Vendor did not specify	1	4	Vendor did not specify
Editing Capabilities	Line insert/delete, character insert/delete	Character insert/delete, erase	Character insert/delete, erase, record/playback	Line insert/delete, character insert/delete, erase, record/playback, copy, jump
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Async/sync	Async/sync	Async/sync
Code	ASCII	ASCII, EBCDIC	ASCII, EBCDIC	ASCII, EBCDIC
Communications Protocol	ASCII, ANSI, X3.64	BSC, SDLC, SNA, ASCII, ANSI	BSC, SDLC, SNA, ASCII, ANSI	BSC, SDLC, SNA, ASCII, ANSI
Format	Character	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	19.2K	Vendor did not specify	Vendor did not specify	Vendor did not specify
Terminal Interface	RS-232-C	Coaxial, IBM plug-compatible product	Coaxial, IBM plug-compatible product	RS-232-C, coaxial, Lee Data System-compatible product
Pricing and Availability				
Purchase Price (\$)	569.00	895.00	1,645.00	1,595.00
Annual Maintenance (\$)	Vendor did not specify	96	120 mono;\$144 color	120
Serviced By	Vendor did not specify	Lee Data Corp.	Lee Data Corp.	Lee Data Corp.
Date of Announcement	November 1987	1986	1986	1985
Date of First Commercial Delivery	March 1988	1986	1986	1985
Number of Units Installed to Date	Vendor did not specify	10,764	1,133	30,951
Vendor Telephone Number	(408) 436-6550	(612) 828-0300	(612) 828-0300	(612) 828-0300
Comments	—	—	—	—

Vendor	Lee Data Corp.	Liberty Electronics	Link Technologies, Inc.	Link Technologies, Inc.
Product	Lee Data System Compatible 2131 Color Display	Liberty 120	MC10	MC2
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 2,560, 3,440, 3,564	1,920	1,920, to 6,600	1,920
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80, 43 x 80, 24 x 132	24 x 80, 43 x 80, 24 x 132, 44 x 132	24 x 132, 24, 25, 42, 43, or 50 lines by 80 or 132 columns	24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Multicolor	Green, white, amber	Green, white, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	3270	Enhanced PC, VT220, ASCII	Typewriter, standard ASCII, VT220	Vendor did not specify
Function Keys	24	12	84	12, 16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, tilt adjustable	Detachable, low profile	Detachable, low profile
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	3270 family, VT100 family	VT100 family, Link Technologies' PC Terminal	VT100 family, WYSE, TeleVideo, ADDS, ANSI X3.64	WYSE, TeleVideo, ADDS, Esprit/Hazeltine
Graphics Capability	No	No	Yes	No
Split Screen	Yes	Yes	Yes	No
Windows/Multisessions	Yes	No	No	No
Memory	Vendor did not specify	4	8 pages	1
Editing Capabilities	Line insert/delete, character insert/delete, erase, record/playback,copy, dump, enlarge	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Async/sync	Asynchronous	Asynchronous	Asynchronous
Code	ASCII, EBCDIC	ASCII	ASCII	ASCII
Communications Protocol	BSC, SDLC, SNA, ASCII, ANSI	ASCII	ASCII, ANSI, X3.64, PC Term protocol	ASCII
Format	Character, block, line	Character, block, line	Character, block, line	Vendor did not specify
Maximum Speed (bps)	Vendor did not specify	38.4K	38.4K	19.2K
Terminal Interface	RS-232-C, coaxial, Lee Data system-compatible product	RS-232-C	RS-232-C	RS-232-C
Pricing and Availability				
Purchase Price (\$)	1,895.00	549.00	649.00	409.00
Annual Maintenance (\$)	144	Contact vendor	192 on-site, 75 walk-in	192 on-site, 75 Walk-in
Serviced By	Lee Data Corp.	TRW	Link Technologies, Dow Jones	Link Technologies, Dow Jones
Date of Announcement	1985	February 1989	November 2, 1987	April 10, 1989
Date of First Commercial Delivery	1985	October 1989	Vendor did not specify	April 1989
Number of Units Installed to Date	28,450	1,500	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(612) 828-0300	(415) 742-7000	(415) 651-8000	(415) 651-8000
Comments	—	78 Hz refresh rate; full reverse video overscan; optional anti-glare screen	—	—

Vendor	Link Technologies, Inc.	Link Technologies, Inc.	LXE	MAI Basic Four, Inc.
Product	MC2PC	MC5	1190	DT-4313
Physical Specifications				
Screen Size, inches (diagonal)	14	14	11	14
Screen Capacity (characters)	2,000	1,920, to 5,676	1,920	1,920
Screen Arrangement (lines x char./line)	25 x 80	Up to 43 x 132	24 x 80	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, white, amber	Green, amber	White
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt	Tilt, swivel
Keyboard Style	Enhanced PC-style (101 Keys)	Typewriter, standard ASCII, enhanced PC	3270	Typewriter
Function Keys	24	40	24	14
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile	Detachable	Detachable, low profile, tilt adjustable
Scrolling	Up, smooth	Up, smooth	Up & down	Up & down, smooth
Protect Format	Yes	Yes	Yes	Optional
Functional Specifications				
Compatibility	PC Terminal	VT100 family, WYSE, TeleVideo, ADDS, ANSI X3.64, MC3, Link 125, PC Term, Zentic ADM 3A/5	TTY, 3270 family, WYSE, TeleVideo, ADDS, ANSI X3.64	MBF 7270, 4312
Graphics Capability	No	No	No	No
Split Screen	Yes	Yes	Yes	No
Windows/Multisessions	No	No	No	No
Memory	1	7 pages	1	1
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase, window insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Async/sync	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, PC Term, Scan code	ASCII, ANSI, X3.64, PC Term protocol	SDLC, SNA, ASCII, ANSI	ASCII
Format	Vendor did not specify	Vendor did not specify	Vendor did not specify	Character
Maximum Speed (bps)	19.2K	38.4K	9600	38.4K
Terminal Interface	RS-232-C	RS-232-C, RS-422	Radio interface	RS-232-C
Pricing and Availability				
Purchase Price (\$)	459.00	579.00	Vendor did not specify	699.00
Annual Maintenance (\$)	192 on-site, 75 walk-in	192 on-site, 75 walk-in	Vendor did not specify	131
Serviced By	Link Technologies, Inc. Dow Jones	Link Technologies, Dow Jones	Vendor did not specify	MBF
Date of Announcement	November 13, 1989	September 12, 1987	Vendor did not specify	1987
Date of First Commercial Delivery	Vendor did not specify	Vendor did not specify	Vendor did not specify	1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	80,000
Vendor Telephone Number	(415) 651-8000	(415) 651-8000	(404) 447-4224	(714) 731-5100
Comments	—	—	—	—

Vendor	MAI Basic Four, Inc.	Memorex Telex	Memorex Telex	Memorex Telex
Product	DT-4314	1091 C	1091 D/E	1191 A/B
Physical Specifications				
Screen Size, inches (diagonal)	14	12	14	12
Screen Capacity (characters)	3,168	1,920	1,920	1,920
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132, 30 x 132, 35 x 132	24 x 80	24 x 80	24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	White	Multicolor	Green, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter, data entry, APL	Data entry	Typewriter, data entry
Function Keys	14	24	12, 24	12, 24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up & down
Protect Format	Optional	No	No	No
Functional Specifications				
Compatibility	MBF 7270, 4312, 4313	3270 family	3270 family	3270 family
Graphics Capability	Yes	No	No	No
Split Screen	Yes	No	No	No
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	7 screens	1	1	1
Editing Capabilities	Line insert/delete, character insert/delete, erase, window insert/delete	Character insert/delete, erase	Line insert/delete, character insert/delete, erase	Character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Synchronous	Synchronous	Synchronous
Code	ASCII	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	ASCII	Coax A	Coax A	Coax A
Format	Character, block, line	Character	Character	Character
Maximum Speed (bps)	38.4K	Vendor did not specify	Vendor did not specify	Vendor did not specify
Terminal Interface	RS-232-C	Coaxial	Coaxial	Coaxial
Pricing and Availability				
Purchase Price (\$)	999.00	1,765.00	995.00	995.00
Annual Maintenance (\$)	131	144	65	45
Serviced By	MBF	Memorex Telex	Memorex Telex	Memorex Telex
Date of Announcement	1987	1988	1988	1987
Date of First Commercial Delivery	1987	1988	1988	1987
Number of Units Installed to Date	6,000	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(714) 731-5100	(918) 627-1111	(918) 627-1111	(918) 627-1111
Comments	—	—	—	—

Vendor	Memorex Telex	Memorex Telex	Memorex Telex	Memorex Telex
Product	1191 D2/E2	1192 D2	1192 F2	2192 DS
Physical Specifications				
Screen Size, inches (diagonal)	14	15	15	15
Screen Capacity (characters)	1,920, 2,560	1,920, 2,560, 3,440, 3564	1,920, 2,560, 3,440, 3,564	1,920, 2,560, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 32 x 80	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80, 32 x 80, 43 x 80, 27 x 132	24 x 80, 32 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Multicolor	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter, data entry, APL	Typewriter, data entry, APL, 3270	Typewriter, data entry, APL, 3270, IBM PC compatible	Typewriter, data entry, APL
Function Keys	12, 24	12, 24	12, 24	24
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up & down
Protect Format	Yes	No	No	No
Functional Specifications				
Compatibility	3270 family	3270 family	3270 family	3270 family
Graphics Capability	No	No	No	No
Split Screen	No	No	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	1	1	1	1
Editing Capabilities	Character insert/delete, erase	Character insert/delete, erase	Character insert/delete, erase	Character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	EBCDIC	EBCDIC	EBCDIC
Communications Protocol	Coax A	Coax A	Coax A	Coax A
Format	Character	Character	Character	Character
Maximum Speed (bps)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Terminal Interface	Coaxial	Coaxial	Coaxial	Coaxial
Pricing and Availability				
Purchase Price (\$)	1,295.00	1,495.00	1,620.00	2,295.00
Annual Maintenance (\$)	65	65	80	160
Serviced By	Memorex Telex	Memorex Telex	Memorex Telex	Memorex Telex
Date of Announcement	1988	1988	1988	1987
Date of First Commercial Delivery	1988	1988	1988	1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(918) 627-1111	(918) 627-1111	(918) 627-1111	(918) 627-1111
Comments	—	—	—	—

Vendor	Memorex Telex	Memorex Telex	Microterm, Inc.	Microterm, Inc.
Product	C19A/C	C19A/D	MT 5510	MT 5520
Physical Specifications				
Screen Size, inches (diagonal)	14	15	14	14
Screen Capacity (characters)	1,920, 3,168	1,920	1,920, 3,168	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80	24 x 80, 24 x 132	24 x 80, 24 x 132
Status Line Character Color	Yes Multicolor	Yes Green, amber	Yes White, amber	Yes White, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	122 key	122 key	Typewriter	Typewriter
Function Keys	24	24	30	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, tilt adjustable	Detachable, tilt adjustable
Scrolling	Up & down	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Vendor did not specify	Vendor did not specify
Functional Specifications				
Compatibility	3270 family, VT200 family	3270 family, VT200 family	VT100 family, VT200 family, ANSI X3.64	VT100 family, VT200 family, ANSI X3.64
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	64K bytes RAM	64K bytes RAM	2	6 screens, snapshot
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode Technique Code Communications Protocol	Half/full duplex Async/sync ASCII, EBCDIC ASCII, Coax	Half/full duplex Async/sync ASCII, EBCDIC ASCII, Coax A	Full duplex Asynchronous ASCII ASCII, ANSI, X3.64	Full duplex Asynchronous ASCII ASCII, ANSI, X3.64
Format	Character	Character	Character	Character, block, line
Maximum Speed (bps)	19.2K	19.2K	38.4K	38.4K
Terminal Interface	RS-232-C, coaxial	RS-232-C, coaxial	RS-232-C, RS-423	RS-232-C, RS-423
Pricing and Availability				
Purchase Price (\$)	2,995.00	2,695.00	539.00	699.00
Annual Maintenance (\$)	180	162	2 year warranty	2 year warranty
Serviced By	Memorex Telex	Memorex Telex	Vendor did not specify	Vendor did not specify
Date of Announcement	1989	1989	Vendor did not specify	Vendor did not specify
Date of First Commercial Delivery	1989	1989	Vendor did not specify	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(918) 627-1111	(918) 627-1111	(314) 822-4111	(314) 822-4111
Comments	Voice/data terminal	Voice/data terminal	—	—

Vendor	Microterm, Inc.	Microterm, Inc.	Perfect Terminal, Inc.	Prime Computer, Inc.
Product	MT 5530	MT 5540	P6530	PT250
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 3,168	1,920, 3,168	1,920, 3,168	1,920
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	White, 16 shades of gray	Multicolor	Green, white, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter	114 key
Function Keys	32, 30	15	32	26
Keyboard Ergonomics	Detachable, tilt adjustable	Detachable, tilt adjustable	Detachable, low profile, tilt adjustable	Tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Vendor did not specify	Vendor did not specify	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, ANSI X3.64	VT100 family, VT200 family, ANSI X3.64, Tektronix 4010/4014, Regis, Sixel	VT100 family, VT200 family, WYSE, TeleVideo, ADDS, ANSI X3.64	ANSI X3.64
Graphics Capability	Yes	Yes	Yes	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	No
Memory	6 alphanumeric	3 pages/session	10	2
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Full duplex	Full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ANSI, X3.64	ASCII, ANSI, X3.64
Format	Character, block, line	Character, block, line	Character, block, line	Character, block
Maximum Speed (bps)	38.4K	38.4K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-423	RS-232-C, RS-423	RS-232-C, 20 mA	RS-232-C, Serial
Pricing and Availability				
Purchase Price (\$)	1,495.00	2,350.00	895.00	595.00
Annual Maintenance (\$)	2 year warranty	2 year warranty	95	11 preferred
Serviced By	Vendor did not specify	Vendor did not specify	Perfect Terminal, Inc.	Prime Computer, Inc.
Date of Announcement	Vendor did not specify	Vendor did not specify	January 1989	1987
Date of First Commercial Delivery	Vendor did not specify	Vendor did not specify	January 1989	Vendor did not specify
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	4,000	Vendor did not specify
Vendor Telephone Number	(314) 822-4111	(314) 822-4111	(415) 656-8383	(508) 655-8000
Comments	—	—	P6530 supports Tandem 6530, 6526, 6510 emulation	—

Vendor	Qume Corp.	Qume Corp.	Qume Corp.	Qume Corp.
Product	QVT-101 Plus	QVT-119 Plus	QVT-190	QVT-203 Plus
Physical Specifications				
Screen Size, inches (diagonal)	14	14	9	14
Screen Capacity (characters)	1,920	3,300	1,920	3,300
Screen Arrangement (lines x char./line)	24 x 80	24 x 80, 24 x 132, 25 x 80, 25 x 132	24 x 80	24 x 80, 24 x 132, 25 x 80/132
Status Line Character Color	Yes Green, white, amber	Yes Green, white, amber	Yes Green, white, amber	Yes Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter	Typewriter
Function Keys	44	44	44	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable, tactile feel	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable, Tactile feel	Detachable, low profile, tilt adjustable, Tactile Feel
Scrolling	None	Up & down, smooth	None	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, QUME	WYSE, TeleVideo, ADDS, IBM 3101, Qume	TeleVideo, ADDS, Lear Siegler, QUME QVT 101	VT100 family, VT200 family, QUME QVT-103
Graphics Capability	No	No	No	No
Split Screen	No	Yes	Yes	Yes
Windows/Multisessions	No	Yes	No	Yes
Memory	4	4	4	4
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII	ANSI, X3.64
Format	Character, block, line	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	19.2K	38.4K	19.2K	38.4K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA, RS-423
Pricing and Availability				
Purchase Price (\$)	449.00	499.00	469.00	499.00
Annual Maintenance (\$)	No charge, 1 year	No charge, 1 year	No charge, 1 year	No charge, 1 year
Serviced By	Third party or factory	Third party or factory	Third party or factory	Third party or factory
Date of Announcement	September 1985	August 1985	November 1989	November 1987
Date of First Commercial Delivery	September 1985	September 1985	November 1989	December 1987
Number of Units Installed to Date	200,000	95,000	100	45,000
Vendor Telephone Number	(408) 942-4000	(408) 942-4000	(408) 942-4000	(408) 942-4000
Comments	—	Dual host access	The QVT 190 is the ideal countertop, POS device	Dual host access

Vendor	Qume Corp.	Qume Corp.	Tandy Corp./Radio Shack	Telegenix, Inc.
Product	QVT-323EV	QVT-PCT	DT-110	TDS2000
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	Up to 228 inches
Screen Capacity (characters)	3,300	3,300	3,168	1,920
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132, 25 x 80/132	24/25 x 80/132	24 x 80, 24 x 132	24 x 80
Status Line	Yes	Yes	Yes	Vendor did not specify
Character Color	Green, white, amber	Green, white, amber	White	Amber, Neon, orange, red
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter, IBM PC compatible	IBM PC compatible	Typewriter
Function Keys	30	24	16	Vendor did not specify
Keyboard Ergonomics	Detachable, low profile, tilt adjustable, Tactile Feel	Detachable, low profile, tilt adjustable, Tactile Feel	Detachable, low profile	Vendor did not specify
Scrolling	Up & down, smooth	Up & down	None	Up & down
Protect Format	Yes	Yes	Vendor did not specify	No
Functional Specifications				
Compatibility	VT100 family, VT200 family, QUME QVT-103, VT 320	VT100 family, WYSE, TeleVideo, QUME PC terminal mode	TTY, VT100 family, VT200 family	Vendor did not specify
Graphics Capability	No	Vendor did not specify	No	No
Split Screen	Yes	Yes	No	Yes
Windows/Multisessions	Yes	Yes	Vendor did not specify	Vendor did not specify
Memory	4	4	1	As required
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete	Character insert/delete, erase, blink, bold
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Vendor did not specify	Vendor did not specify
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ANSI, X3.64	ASCII, PC scan codes	ASCII, ANSI	ANSI
Format	Character, block, line	Character, block, line	Character	Character
Maximum Speed (bps)	38.4K	38.4K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-422, 20 mA, RS-423, optional DEC MMJ connector	RS-232-C, RS-422, 20 mA	RS-232-C	RS-232-C, others optional
Pricing and Availability				
Purchase Price (\$)	495.00	525.00	599.00	2,000.00
Annual Maintenance (\$)	No charge, 1 year	No charge, 1 year	44.25	Various agreements
Serviced By	Third party or factory	Third party or factory	Tandy/Radio Shack	Telegenix
Date of Announcement	November 1989	November 1988	August 1989	1982
Date of First Commercial Delivery	December 1989	December 1988	August 1989	Vendor did not specify
Number of Units Installed to Date	50	5,000	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 942-4000	(408) 942-4000	(817) 390-3011	(609) 424-5220
Comments	Dual host access	Dual host access	—	3 character sizes-0.7

Vendor	Telera, Inc.	Telera, Inc.	Telera, Inc.	Telera, Inc.
Product	20DDG	20DHP	Model 30	TEL 2
Physical Specifications				
Screen Size, inches (diagonal)	14	14	VGA monitor	14
Screen Capacity (characters)	3,168	3,168	132 X 24	3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	4 windows of various line & column specs.	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber, multicolor	Green, white, amber
Display Ergonomics	Tilt	Tilt	Swivel	Tilt
Keyboard Style	Typewriter	Typewriter	Typewriter, data entry, IBM PC compatible	Typewriter
Function Keys	20	32	0	32
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable, choice of keyboards	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down, smooth	Up & down, smooth	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, Data General D2102	VT100 family, VT200 family, HP 2392A, HP 700/92	VT100 family, VT200 family, Tektronix 4200, Bull VIP, VT300	VT100 family, Bull HN VIP 7813, and HDS 2
Graphics Capability	No	No	Yes	No
Split Screen	No	No	Yes	No
Windows/Multisessions	No	Yes	Yes	No
Memory	2	4	8	3
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Vendor did not specify	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Async/sync	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII, ANSI, X.25	ASCII
Format	Character	Character	Character	Character
Maximum Speed (bps)	19.2K	19.2K	38.4K	19.2K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	895.00	895.00	1,995.00	800.00
Annual Maintenance (\$)	1 year warranty	1 year warranty	1 year warranty	1 year warranty
Serviced By	Telera	Telera	Telera	Telera
Date of Announcement	March 1984	November 1985	January 1989	January 1985
Date of First Commercial Delivery	April 1984	January 1986	June 1989	January 1985
Number of Units Installed to Date	3,000	3,000	150	3,000
Vendor Telephone Number	(612) 941-3300	(612) 941-3300	(612) 941-3300	(612) 941-3300
Comments	—	—	—	—

Vendor	Teleray, Inc.	Teleray, Inc.	TeleVideo Systems, Inc.	TeleVideo Systems, Inc.
Product	TEL 5	TEL 7	TeleVideo 905	TeleVideo 9320
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	3,168	3,168	1,920	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green	Green, amber
Display Ergonomics	Tilt	Tilt	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter	VT220
Function Keys	32	32	16	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, Bull HN VIP 7813, HDS 5	Bull HN, VIP7824, HDS 7	TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler	VT100 family, VT200 family, VT320
Graphics Capability	No	No	No	No
Split Screen	No	No	No	No
Windows/Multisessions	Yes	Yes	No	No
Memory	3	3	1	Up to 8
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Async/sync	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII	ANSI
Format	Character, block, line	Character, block, line	Line, block	Character, block, line
Maximum Speed (bps)	19.2K	19.2K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, RS-422, 20 mA	RS-232-C, 20 mA	RS-232-C, RS-422, 20 mA
Pricing and Availability				
Purchase Price (\$)	900.00	1,100.00	409.00	499.00
Annual Maintenance (\$)	1 Year warranty	Various maintenance	1 year warranty	1 year warranty
Serviced By	Teleray	Teleray	TeleVideo or Intelogic	TeleVideo or Intelogic
Date of Announcement	January 1985	September 1986	Trace 1985	Trace March 1988
Date of First Commercial Delivery	January 1985	October 1986	Vendor did not specify	November 1988
Number of Units Installed to Date	9,000	1,000	100,000	15,000
Vendor Telephone Number	(612) 941-3300	(612) 941-3300	(408) 954-8333	(408) 954-8333
Comments	—	—	Very reliable terminal; mean time between failures: 90,000 hours.	More features than DEC; completely VT320 compatible; two methods of multiple page handling; 1989 digital review target award winner

Vendor	TeleVideo Systems, Inc.	TeleVideo Systems, Inc.	TeleVideo Systems, Inc.	Unisys Corp.
Product	TeleVideo 935	TeleVideo 955	TeleVideo 965	UVT 12246
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 3,168	1,920, 3,168	1,920, 3,564	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 32 x 80, 24 x 132, 49 x 132	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Green, amber	Green, white, amber	Green
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter, IBM PC compatible	Typewriter, IBM PC compatible, VT220	Typewriter, data entry, IBM PC compatible, Unisys OAS
Function Keys	16	64	16	20
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down
Protect Format	Yes	Yes	Yes	No
Functional Specifications				
Compatibility	WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler	WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler	VT100 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 316X, ANSI X3.64	ANSI X3.64
Graphics Capability	No	No	No	Yes
Split Screen	No	No	No	No
Windows/Multisessions	No	No	No	Yes
Memory	2	2, 4 opt.	Up to 8 pages	1
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase, 40 programmable editing keys	Line insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII	X3.64
Format	Character, block	Character, block, line	Character, block, line	Character, block
Maximum Speed (bps)	38.4K	38.4K	38.4K	38.4K
Terminal Interface	RS-232-C, 20 mA	RS-232-C, 20 mA	RS-232-C, RS-422, 20 mA, serial parallel conversion kit	RS-232-C
Pricing and Availability				
Purchase Price (\$)	409.00	549.00	375.00	750.00
Annual Maintenance (\$)	1 year warranty	1 year warranty	Price varies	108 onsite, 76 off site
Serviced By	TeleVideo or Intellogic Trace	TeleVideo or Intellogic Trace	TeleVideo or Intellogic Trace	Unisys
Date of Announcement	April 1986	1986	June 1986	Vendor did not specify
Date of First Commercial Delivery	November 1986	1986	November 1986	Vendor did not specify
Number of Units Installed to Date	1,000	00,000	30,000	Vendor did not specify
Vendor Telephone Number	(408) 954-8333	(408) 954-8333	(408) 954-8333	(215) 986-4011
Comments	New product, excellently received destined to become as popular as model 905; low cost terminal with many additional features	—	—	Supports Tektronix 4010/4014 graphics, Unisys PW2 and IBM PC

Vendor	Versyss Inc.	Versyss Inc.	Visentech Systems	Visentech Systems
Product	C-330	C-332	VS-211	VS-220
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	12
Screen Capacity (characters)	1,920	3,168	2,400	1,920
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 30 x 80	24 x 80
Status Line	Yes	Yes	Yes	No
Character Color	Green, amber	Green, white, amber	Green, white, amber	Green, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel, flat screen	Tilt, swivel
Keyboard Style	Enhanced PC-style	Enhanced PC-style	VT-220 style, Unisys T27	VT-220 style
Function Keys	12	12	24, 24	36
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	Proprietary	VT200 family, proprietary	TTY, Unisys T27, ET 1100	TTY, VT100 family, VT200 family, ANSI X3.64, VT52
Graphics Capability	No	No	No	No
Split Screen	No	No	Yes	No
Windows/Multisessions	No	Yes	Yes	No
Memory	1	Vendor did not specify	10 pages	1
Editing Capabilities	Line insert/delete, character insert/delete	Line insert/delete	Line insert/delete, character insert/delete, erase, mark, bound, store, recall	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Vendor did not specify	Vendor did not specify	Half/full duplex	Full duplex
Technique	Asynchronous	Asynchronous	Async/sync	Async/sync
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII, ANSI	Poll/select	ANSI, X3.64
Format	Block	Block	Character, block, line	Character
Maximum Speed (bps)	19.2K	19.2K	19.2K	19.2K
Terminal Interface	RS-232-C, RS-423	RS-232-C, RS-423	RS-232-C, TDI	RS-232-C, 20mA opt.
Pricing and Availability				
Purchase Price (\$)	995.00	1,195.00	895.00	399.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	80	80
Serviced By	Versyss, Inc.	Versyss, Inc.	Vendor	Visentech Systems
Date of Announcement	June 1989	December 1989	April 1990	April 1990
Date of First Commercial Delivery	June 1989	December 1989	April 1990	April 1990
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	3,000	25,000
Vendor Telephone Number	(617) 329-7800	(617) 329-7800	(214) 247-5931	(214) 247-5931
Comments	—	—	—	—

Vendor	Visentech Systems	Visentech Systems	Visentech Systems	Visentech Systems
Product	VS-227	VS-230E	VS-230PC	VS-230UV
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	3,960	3,168	3,168	1,920, 3,168, 4620, 2720, 2000, 3490
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132, 30 x 80, 30 x 132	24 x 80, 24 x 132, 34 x 80, 34 x 132	24 x 80, 24 x 132, 34 x 80, 34 x 132	24 x 80, 24 x 132, 24 x 132, 35 x 80, 35 x 132, 34 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel, flat screen	Tilt, swivel, flat screen	Tilt, swivel, flat screen	Tilt, swivel
Keyboard Style	VT-220 style, Unisys T27	VT-220 style	IBM PC compatible, VT-220 style	UVT-1224 compatible (Unisys)
Function Keys	24	45	45	45
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	TTY, Unisys T27, ET 1100	VT100 family, VT200 family, ANSI X3.64, VT52	TTY, VT100 family, VT200 family, TeleVideo	VT100 family, VT200 family, ANSI X3.64, UVT-1224/UVT-1224G
Graphics Capability	No	Yes	No	Yes
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	10 pages	4	4	4
Editing Capabilities	Line insert/delete, character insert/delete, erase, mark, bound, store, recall	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Full duplex	Full duplex	Half/full duplex
Technique	Async/sync	Async/sync	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	Poll/select	ANSI, X3.64	ANSI, X3.64	ANSI, X3.64
Format	Character, block, line	Character, block	Character, block	Character, block
Maximum Speed (bps)	38.4K	38.4K	38.4K	38.4K
Terminal Interface	RS-232-C, TDI	RS-232-C, 20mA opt.	RS-232-C, 20mA opt.	RS-232-C, RS-422
Pricing and Availability				
Purchase Price (\$)	1,095.00	549.00	565.00	649.00
Annual Maintenance (\$)	80	80	80	80
Serviced By	Visentech Systems	Visentech Systems	Visentech Systems	Visentech Systems
Date of Announcement	April 1990	March 1990	December 1989	January 1990
Date of First Commercial Delivery	April 1990	March 1990	December 1989	January 1990
Number of Units Installed to Date	1,000	8,000	1,500	Vendor did not specify
Vendor Telephone Number	(214) 247-5931	(214) 247-5931	(214) 247-5931	(214) 247-5931
Comments	—	Option - 20mA current loop; Tektronix 410/4014 - compatible graphics; RS-423 interface, Dec 423 interface	Option - 20mA current loop interface	—

Vendor	Visentech Systems	Visentech Systems	Visual Technology, Inc.	Westinghouse Canada
Product	VS-320	VS-327	Visual 603	3276
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	3,168	3,960	1,920, 3,168, 6600	2400
Screen Arrangement (lines x char./line)	34 x 80, 34 x 137	30 x 80, 30 x 132	25 x 80, 25 x 132, 50 x 132	24 x 80, 30 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	White, green, amber optional	Amber
Display Ergonomics	Tilt, swivel, flat screen	Tilt, swivel, flat screen	Tilt, swivel	Tilt, swivel
Keyboard Style	Vendor did not specify	VT-220 style, Unisys T27	Typewriter	Typewriter
Function Keys	45	24	45	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down, smooth	Up & down	Up & down
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	VT100 family, VT200 family, DEC VT320	TTY, VT100 family, VT200 family, ANSI X3.64	VT100 family, VT200 family, VT52, Tektronix	3270 family, VT100 family, IPARS, UTS20, VIP 7814
Graphics Capability	No	No	Yes	No
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Vendor did not specify	Yes
Memory	2	4, 17	1	Up to 12 screens
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half duplex
Technique	Asynchronous	Async/sync	Asynchronous	Synchronous
Code	ASCII	ASCII	ASCII	EBCDIC
Communications Protocol	ANSI, X3.64	ANSI, X3.64, poll/select	ASCII	BSC, SDLC, SNA, X.25
Format	Character	Character, block, line	Character	Block
Maximum Speed (bps)	38.4K	38.4K	110 - 38.4K	19.2K
Terminal Interface	RS-232-C, RS-422, 20 mA	RS-232-C, TDI	RS-422, RS-423	RS-232-C
Pricing and Availability				
Purchase Price (\$)	495.00	1,295.00	695.00	Vendor did not specify
Annual Maintenance (\$)	80	80	Vendor did not specify	Vendor did not specify
Serviced By	Visentech Systems	Visentech Systems	Visual Technology Inc.	Westinghouse Canada
Date of Announcement	January 1990	February 1990	November 1986	July 1987
Date of First Commercial Delivery	February 1990	March 1990	December 1986	July 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(214) 247-5931	(214) 247-5931	(508) 459-4903	(416) 528-8811
Comments	—	—	70Hz overscanned video; Tektronix 4010/4014 graphics std. with resolution of 1056 x 400; flat profile CRT; calendar, alarm clock, calculator accessories std.	Multi-emulation capability supporting concurrent operation; configured to meet customer requirements; 2 or 4 RS-232-C ports

Vendor	Westinghouse Canada	Westinghouse Canada	Westinghouse Canada	Westinghouse Canada
Product	3278	IPARS	UTS-20	VIP 7418
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	2400	1,920, 1024, 2400, 2294	1,920, 2400	1,920, 2400
Screen Arrangement (lines x char./line)	24 x 80, 30 x 80	24 x 80, 30 x 80, 16 x 64, 31 x 74	24 x 80, 30 x 80	24 x 80, 30 x 80
Status Line	Yes	Yes	Yes	Yes
Character Color	Amber	Amber	Amber	Amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter	Typewriter
Function Keys	30	30	30	30
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down	Up & down
Protect Format	Yes	No	Yes	Yes
Functional Specifications				
Compatibility	3270 family, VT100 family, IPARS, UTS20, VIP 7814	3270 family, VT100 family, IPARS, UTS20, VIP 7814	3270 family, VT100 family, IPARS, UTS20, VIP 7814	3270 family, VT100 family, IPARS, UTS20, VIP 7814
Graphics Capability	No	No	No	No
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	Yes	Yes
Memory	Up to 12 screens	Up to 12 screens	Up to 12 screens	Up to 12 screens
Editing Capabilities	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete
Transmission Specifications				
Mode	Half duplex	Full duplex	Full duplex	Full duplex
Technique	Synchronous	Synchronous	Synchronous	Synchronous
Code	EBCDIC	ASCII	ASCII	ASCII
Communications Protocol	BSC, SDLC, SNA, X.25	ASCII	ASCII	ASCII
Format	Block	Block	Block	Block
Maximum Speed (bps)	19.2K	9600	9600	9600
Terminal Interface	RS-232-C	RS-232-C	RS-232-C	RS-232-C
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Serviced By	Westinghouse Canada	Westinghouse Canada	Westinghouse Canada	Westinghouse Canada
Date of Announcement	July 1987	July 1987	July 1987	July 1987
Date of First Commercial Delivery	July 1987	July 1987	July 1987	July 1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(416) 528-8811	(416) 528-8811	(416) 528-8811	(416) 528-8811
Comments	Multi-emulation capability supporting concurrent operation; configured to meet customer requirements; 2 or 4 RS-232-C ports	Multi-emulation capability supporting concurrent operation; configured to meet customer requirements; 2 or 4 RS-232-C ports	Multi-emulation capability supporting concurrent operation; configured to meet customer requirements; 2 or 4 RS-232-C ports	Multi-emulation capability supporting concurrent operation; configured to meet customer requirements; 2 or 4 RS-232-C ports

Vendor	Westinghouse Canada	Westinghouse Canada	Wyse Technology, Inc.	Wyse Technology, Inc.
Product	VT100	VT52	WY-150	WY-185
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920, 2400	1,920, 2400	Vendor did not specify	3,300
Screen Arrangement (lines x char./line)	24 x 80, 30 x 80	24 x 80, 30 x 80	26 x 80, 26 x 132	25 x 80/132
Status Line	Yes	Yes	Yes	Yes
Character Color	Amber	Amber	Green, white, amber	Green, white, amber
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	ASCII, ANSI, enhanced PC-style	105-key ANSI
Function Keys	30	30	16	15
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down	Up & down	Up & down, smooth	Up & down, smooth
Protect Format	No	No	Yes	Yes
Functional Specifications				
Compatibility	3270 family, VT100 family, IPARS, UTS20, VIP 7814	3270 family, VT100 family, IPARS, UTS20, VIP 7814	VT100 family, WYSE, TeleVideo, ADDS	VT100 family, VT200 family, VT320
Graphics Capability	No	No	No	No
Split Screen	Yes	Yes	Yes	Yes
Windows/Multisessions	Yes	Yes	No	No
Memory	Up to 12 screens	Up to 12 screens	Up to 7 screens	2
Editing Capabilities	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half duplex	Half duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII	ASCII, ANSI	ANSI
Format	Character	Character	Block	Character, block, line
Maximum Speed (bps)	9600	9600	38.4K	38.4K
Terminal Interface	RS-232-C	RS-232-C	RS-232-C	RS-232-C, RJ-11 and DEC MMJ
Pricing and Availability				
Purchase Price (\$)	Vendor did not specify	Vendor did not specify	549.00	499.00
Annual Maintenance (\$)	Vendor did not specify	Vendor did not specify	Various agreements	Various agreements
Serviced By	Westinghouse Canada	Westinghouse Canada	Wyse or third party	Wyse or third party
Date of Announcement	July 1987	July 1987	November 1988	July 1989
Date of First Commercial Delivery	July 1987	July 1987	November 1988	July 1989
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(416) 528-8811	(416) 528-8811	(408) 433-1000	(408) 433-1000
Comments	Multi-emulation capability supporting concurrent operation, configured to meet customer requirements, 2 or 4 RS-232-C ports	Multi-emulation capability supporting concurrent operation, configured to meet customer requirements, 2 or 4 RS-232-C ports	—	—

Vendor	Wyse Technology, Inc.	Wyse Technology, Inc.	Wyse Technology, Inc.	Wyse Technology, Inc.
Product	WY-30	WY-370	WY-60	WY-99GT
Physical Specifications				
Screen Size, inches (diagonal)	14	14	14	14
Screen Capacity (characters)	1,920	1280 x 520	5808	3,432
Screen Arrangement (lines x char./line)	24 x 80	26 or 52 x 80 or 132	22 or 44 x 80 or 132	26 x 80, 26 x 132
Status Line	Yes	Yes	Yes	Yes
Character Color	Green, amber	Multicolor	Green, white, amber	Amber
Display Ergonomics	Tilt/Swivel optional	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	General purpose ASCII	ASCII, ANSI enhanced PC-style	ASCII, ANSI, enhanced PC-style	ASCII, ANSI, enhanced PC-style
Function Keys	4	16	16	16
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Yes	Yes	Yes	Yes
Functional Specifications				
Compatibility	WYSE, TeleVideo, ADDS, Lear Siegler	VT200 family, WYSE, TeleVideo, ADDS, Intercoder Color Trend 220, VT220	VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, IBM 3101, IBM 316X, ANSI X3.64, Data General D200/210, PC terminal	VT100 family, VT200 family, WYSE, TeleVideo, ADDS, Esprit/Hazeltine, Lear Siegler, ANSI X3.64
Graphics Capability	No	Yes	Yes	Yes
Split Screen	Yes	Yes	No	Yes
Windows/Multisessions	No	Yes	Yes	No
Memory	1	3	Up to 7 screens	2
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete, erase
Transmission Specifications				
Mode	Half/full duplex	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII	ASCII
Communications Protocol	ASCII	ASCII, ANSI	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Format	Character, block	Character, block	Block	Block
Maximum Speed (bps)	38.4K	76.8K	38.4K	38.4K
Terminal Interface	RS-232-C	RS-232-C, RS-422	RS-232-C	RS-232-C, RS-422, RS-423
Pricing and Availability				
Purchase Price (\$)	419.00	1,249.00	599.00	649.00
Annual Maintenance (\$)	Various agreements	Various agreements	Various agreements	Various agreements
Serviced By	Wyse or third party	Wyse or third party	Wyse or third party	Wyse or third party
Date of Announcement	1985	July 1989	April 1986	1987
Date of First Commercial Delivery	1985	July 1989	April 1986	1987
Number of Units Installed to Date	Vendor did not specify	Vendor did not specify	Vendor did not specify	Vendor did not specify
Vendor Telephone Number	(408) 433-1000	(408) 433-1000	(408) 433-1000	(408) 433-1000
Comments	—	—	—	—

Vendor	Zentec Corp.	Zentec Corp.	Zentec Corp.
Product	8392	9394	9394C
Physical Specifications			
Screen Size, inches (diagonal)	14	14	14
Screen Capacity (characters)	1,920, 3,168	1,920, 3,168	1,920, 3,168
Screen Arrangement (lines x char./line)	24 x 80, 24 x 132	24 x 80, 24 x 132	24 x 80, 24 x 132
Status Line	Yes	Yes	Yes
Character Color	Green, white, amber	Green, white, amber	Multicolor
Display Ergonomics	Tilt, swivel	Tilt, swivel	Tilt, swivel
Keyboard Style	Typewriter	Typewriter	Typewriter
Function Keys	8	8	8
Keyboard Ergonomics	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable	Detachable, low profile, tilt adjustable
Scrolling	Up & down, smooth	Up & down, smooth	Up & down, smooth
Protect Format	Vendor did not specify	Yes	Yes
Functional Specifications			
Compatibility	ANSI X3.64	VT100 family, HP 700/94	VT100 family, HP 700/94
Graphics Capability	No	No	No
Split Screen	No	No	No
Windows/Multisessions	No	No	No
Memory	8	16 pages	24 pages
Editing Capabilities	Line insert/delete, character insert/delete, erase	Line insert/delete, character insert/delete	Line insert/delete, character insert/delete, erase
Transmission Specifications			
Mode	Half/full duplex	Half/full duplex	Half/full duplex
Technique	Asynchronous	Asynchronous	Asynchronous
Code	ASCII	ASCII	ASCII
Communications Protocol	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64	ASCII, ANSI, X3.64
Format	Character, block, line	Character, block, line	Character, block, line
Maximum Speed (bps)	19.2K	38.4K	38.4K
Terminal Interface	RS-232-C, RS-422	RS-232-C, RS-422	RS-232-C, RS-422
Pricing and Availability			
Purchase Price (\$)	550.00	949.00	1,299.00
Annual Maintenance (\$)	36 per year	5 Year warranty	5 Year warranty
Serviced By	Dow Jones Service	Zentec Corp.	Zentec Corp.
Date of Announcement	1985	September 1989	September 1989
Date of First Commercial Delivery	1985	December 1989	December 1989
Number of Units Installed to Date	15,000	20	300
Vendor Telephone Number	(408) 365-2900	(408) 365-2900	(408) 727-7662
Comments	—	—	—

