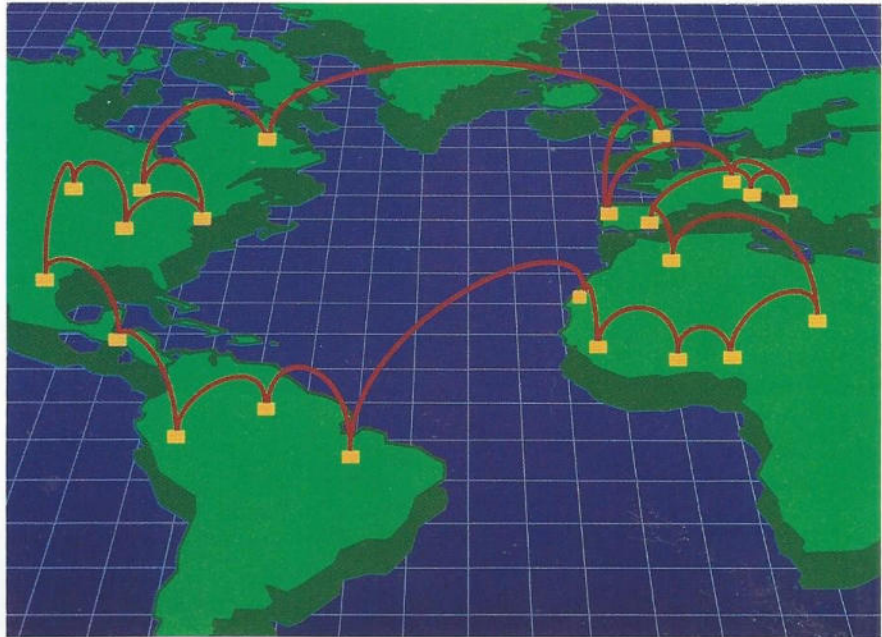


## DEC WANcontroller 720

### Opening Up Your RISC-based System to the World

digital



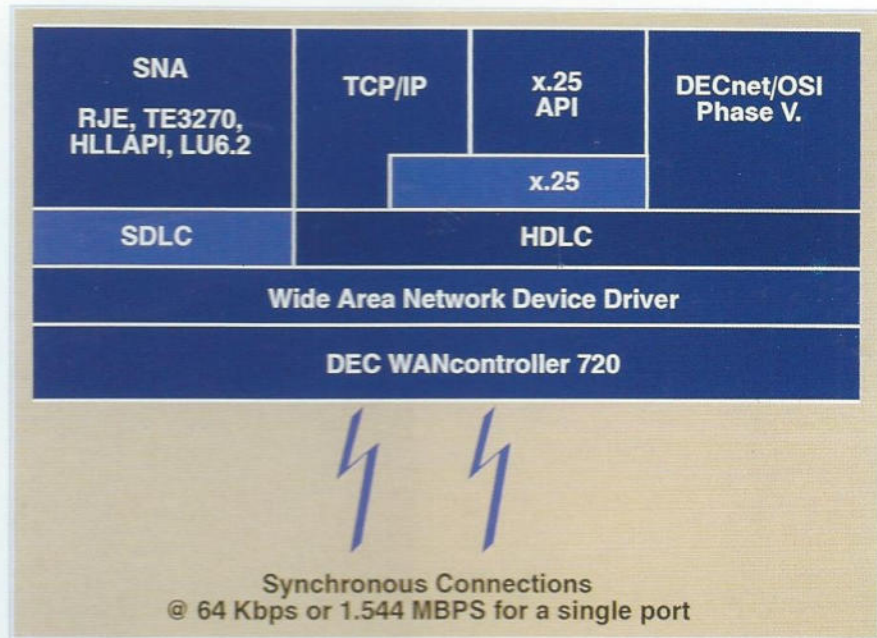
While RISC-based workstations have brought unprecedented computing power ever closer to users, the global marketplace requires that organizations serve customers and business partners farther and farther away. It is not enough to share information through servers and local-area networks (LANs) within a workgroup, department or facility. For example, professionals in financial services, manufacturing, and the media need to monitor prices on foreign exchanges, coordinate inventory and distribution with offshore suppliers, and tap into wire services around the world.

The DEC WANcontroller 720 enhances the performance and functionality of TURBOchannel-based workstations and servers by providing low-cost, high-speed connectivity to multivendor wide-area networks (WANs). The DEC WANcontroller 720 enables you to extend your reach beyond your local area to wherever in the world your work takes you. You can communicate via electronic mail, access remote applications, and transfer files with other users on wide-area networks, including IBM's System Network Architecture (SNA) - all at very high speeds.

With the DEC WANcontroller 720, your workstation isn't the only thing that's more connected and productive; so are you and your organization.

### Highlights

- Enables users of RISC-based systems equipped with TURBOchannel to communicate over WANs to reach new markets, customers, and business partners.
- Allows line speeds up to 64Kbps for two ports or T1 (1.544Mbps) for one port.
- Connects stand-alone workstations/servers to WANs using DECnet/OSI, X.25, or TCP/IP layered communications software under the ULTRIX operating system.
- Provides connectivity to SNA, X.25, TCP/IP, and DECnet/OSI networks.
- Supports HDLC, SDLC, and OSI protocols under ULTRIX.
- Works with the ULTRIX Wide-Area Network Device Driver (WANDD).
- Connects directly to the TURBOchannel bus for optimum throughput.
- Fully integrated and supported by Digital.



### High-Speed Connectivity in Commercial Environments

The DEC WANcontroller 720 opens up the world of high-speed wide-area communications to users of Digital's TURBOchannel RISC-based DECstation and DECsystem products. Users can easily share information and applications with other users throughout a geographically-dispersed, multivendor computing environment. It is especially well-suited to commercial users who need to communicate with IBM networks based on IBM's System Network Architecture (SNA).

The DEC WANcontroller 720 provides two synchronous ports at speeds up to 64Kbps, or one port at 1.544Mbps (T1)\*. This high-speed capability means that users can work effectively with even network-intensive applications, or share large, complex files such as images and graphics.

### Multiple Protocol Support for Truly Open Communications

The DEC WANcontroller 720 demonstrates Digital's Open Advantage and its commitment to easy multivendor computing by supporting multiple industry-standard networking protocols, including DECnet OSI, an implementation of the International Standards Organization's (ISO) Open Systems Interconnection (OSI) model, and the CCITT X.25 standard for wide-area packet-switching networks. The device also supports the widely-used SNA protocol for communication with IBM systems.

### Packaging

The DEC WANcontroller 720 module connects directly into the TURBOchannel bus of the workstation or server, providing two synchronous interface ports. It consists of the following:

- One single-width TURBOchannel module with one daughterboard
- Built-in software (firmware)
- Adaptor kit to Wide-Area Network Device Driver (WANND) software
- Adaptor cable kit

The interface to the TURBOchannel is through a 96-pin DIN connector with data, address, and control functions. The synchronous interface is through a 100-pin connector.

### The Total Solution

The DEC WANcontroller 720 can greatly expand your enterprise's complete networking environment, and enabling it to run more effectively. Sharing resources makes sense. Multivendor and remote users become more productive. Your business benefits. And you save money.

Digital is committed to supplying and supporting your networking needs. The DEC WANcontroller 720 comes with full Digital services and support.

### Custom Network Integration Services

Digital also responds to users with custom integration needs. Experienced Project Managers, Software and Hardware Engineers, and a manufacturing facility dedicated to custom hardware, low-volume manufacturing are ready to meet unusual integration requirements. Whether the need is for custom software or hardware design, engineering consultation, or complete project management, Digital stands ready to meet your network integration needs.

### DEC WANcontroller 720 Specifications

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#### Part Number

DSYT1-A\*

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#### Workstations and Servers Supported

RISC TURBOchannel family of systems and servers

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#### Communications

##### Protocols/Interfacing

Standards	Speeds Supported
EIA232-E	19.2Kbps
V.28/V.24/ISO2110.2	19.2Kbps
EIA562	64Kbps
EIA423A/EIA449	64Kbps
V.10/V.24/ISO4902	64Kbps
EIA422A/EIA449	1.544Mbps (one channel only)
V.11/V.24/ISO4902	64Kbps
V.35/ISO2593	64Kbps
EIA530A	1.544Mbps

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#### Synchronous Protocols Supported

High-level Data Link Control (HDLC)

Synchronous Data Line Control (SDLC)

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#### Software Requirements

ULTRIX V4.2

ULTRIX VAN Device Driver V2.1

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- \* T1 clear-channel communication requires an external CSU/DSU as an interface to the communications line.



### **Digital - An Industry Leader in Systems Integration**

Digital offers a portfolio of services that support the four stages of enterprise-wide integration - planning, design, implementation, and management. Our project expertise covers everything from designing and delivering customized hardware and software solutions to providing the training and support your business needs to operate and maintain those solutions as long as you need them. Integrated business solutions from Digital are delivered and supported worldwide by a distinguished network of experienced service professionals.

### **For More Information**

Combined with the full line of RISC DECstation and DECsystem products, the DEC WANcontroller 720 provides a high-performance, cost-effective open computing solution for organizations requiring access to wide-area networks in a multivendor environment. For further information about the DEC WANcontroller 720, please contact your local Digital sales representative.

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