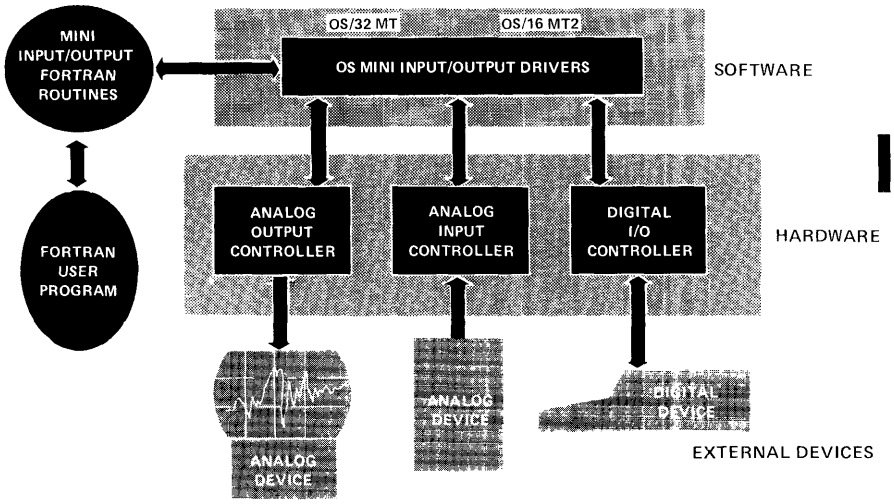
INTERDATA®

PERIPHERALS

Mini Input/Output System



MINI INPUT/OUTPUT FUNCTIONAL CHARACTERISTICS

Interdata's Mini Input/Output System provides low cost, highly flexible real-time A/D, D/A, and digital I/O interfacing capability for the entire range of Interdata processors.

The independent Mini Input/Output subsystems are:

- Analog Input Subsystem – 10 or 12-bit analog-to-digital converter subsystem with up to 16 differential or 32 single-ended channels.
- Analog Output Subsystem - 12-bit digital-to-analog converter system with 4 channels or 2 channels with oscilloscope control channels.
- Digital I/O Subsystem – 16-bit digital input/output subsystem for parallel transfers to and from any Interdata central processing unit.

All subsystems are fully supported under OS/16 MT2 and OS/32 MT, Interdata's 16 and 32-bit operating systems. I/O handlers are provided for the ISA real-time extensions of FORTRAN IV and FORTRAN V, which allow operation through the use of single Read/Write calls. Each subsystem is compactly packaged on a single 15-by-15 inch or 7- by 15-inch printed circuit board that occupies a single or half slot in any Interdata processor or expansion chassis.

The Mini Input/Output system is ideal for data collection and reduction, data logging, and industrial testing.

SUBSYSTEM FEATURES

- 10 or 12-Bit Analog Input Subsystem
- 12-Bit Analog Output Subsystem
- 16-Bit Digital Input/Output Subsystem
- Compact Packaging - One Board, Single or Half Slot
- Fully Software Supported - OS/16MT2 and OS/32 MT, ISA FORTRAN IV and FORTRAN V Extensions.