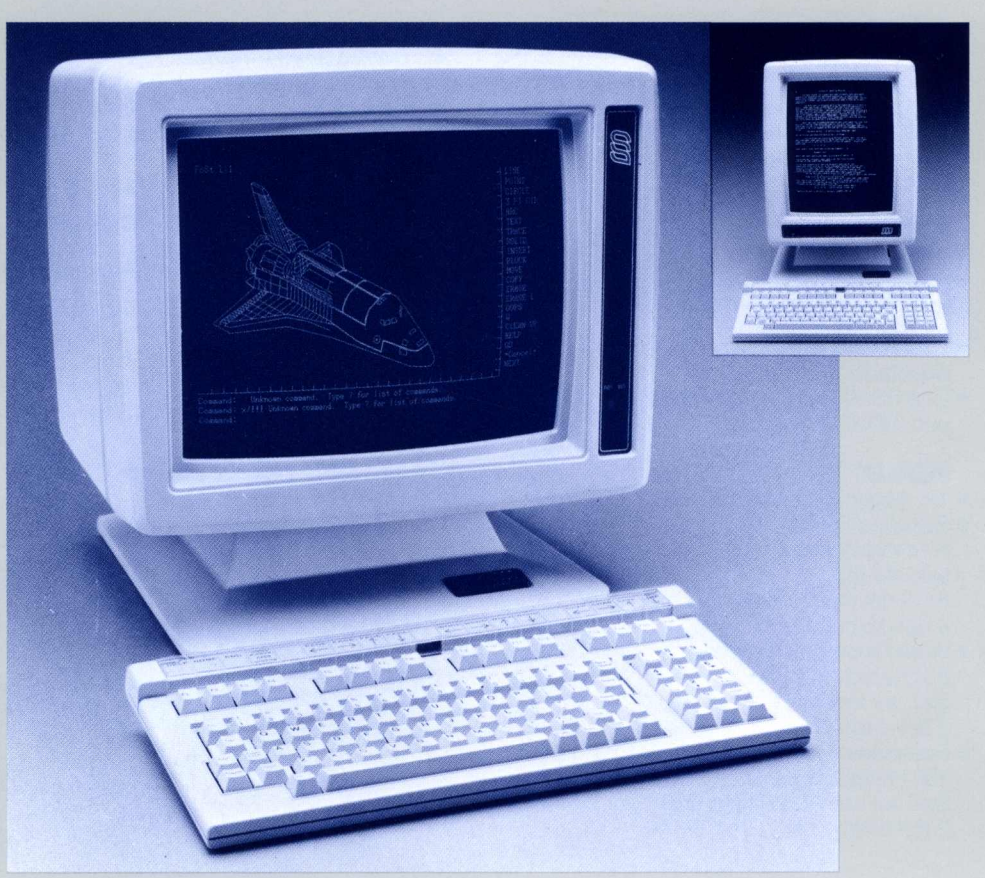
# HiNet™ Network
# High Performance Graphics Workstation
# DMS-5000 Series



**DMS-5000 Series Product Specifications**

The DMS-5000 Series features a rotatable 15-inch screen that can display a full 66-line page in the vertical position or a 132-column spreadsheet when turned to the horizontal position. The bit-mapped display and optional 8087 co-processor for the 16-bit version make it ideal for graphics, engineering and CAD applications.

The 5080 offers 64K bytes RAM, while the 5086 is available with 256K bytes RAM expandable to 1M byte. On workstations with 256K bytes RAM or more, a portion of the memory can be set aside to act as one or more solid state disks to improve throughput with disk-intensive applications.

Digital Microsystems™

# HiNet™ Network
# High Performance Graphics Workstation
# DMS-5000 Series
# Specifications

### PROCESSORS:

**DMS-5080** ■ Z80A, 4 MHz(CPU)
**DMS-5086** ■ 8086, 5 MHz(CPU)
■ Optional 8087 floating point co-processor
**DMS-5080/DMS-5086** ■ 8086-based CRT controller with 64K bytes of RAM or 128K bytes of RAM with optional second plane

### MEMORY:

**DMS-5080** ■ 64K bytes RAM
**DMS-5086** ■ 256K bytes expandable to 1M byte of host RAM with parity error detection

**Input/Output Ports:**
■ Three RS-232C serial ports (software selectable baud rates 110 to 9600)
■ One RS-422 hi-speed serial network port (SDLC)

### DISPLAY:

**Size:** ■ 15" diagonal rotating bit-mapped CRT
**Characters:**
■ Standard Format:
80 characters/24 lines (or 26 lines, software selectable)
8x13 dot matrix, 10x21 cell size
4 dot descender
■ Word Processing Format:
80 characters/66 lines
5x7 dot matrix, 7x12 cell size
2 dot descender
■ Spreadsheet Format:
132 characters/50 lines
5x7 dot matrix, 6x11 cell size
2 dot descender

**Format:** ■ 800x560 pixels
**Horizontal Scan Rate:** ■ 19,200 Hz
**Features:**
■ Tilt, non-glare, green (P-39 phosphor) screen, normal/inverse video
■ Tektronix 4010 emulation
■ Three adjustable screen intensities, in graphics mode

**Keyboard:** ■ Detachable keyboard with 30 (x3) programmable function keys including a 10-key numeric keypad

**Dimensions:**
■ Vertical Orientation:
19" high x 13" wide x 12.5" deep
(48cm x 33cm x 32cm)
■ Horizontal Orientation:
17" high x 16" wide x 12.5" deep
(43cm x 41cm x 32cm)

**Weight:** ■ 46 lbs. (21 kg)

**Power:** ■ 138 watts, 115/230 VAC switch selectable, 50/60 Hz

### OPERATING SYSTEMS:

**DMS-5080** ■ CP/M-80™(HIDOS)
**DMS-5086** ■ MS-DOS™ and CP/M-86™

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MS-DOS is a trademark of Microsoft Corp.

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