

# M6DPi

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## **P**roviding the Latest High-Performance, High-Capacity Server and Workstation Solution.

The Micronics M6DPi motherboard supports the most advanced Dual Pentium® Pro processor architecture, Ultra Wide SCSI, RAID-ready support and an optional 64-bit graphics accelerator. Based on Intel's 440FX PCIset and i960RP® or i960RD supporting processor, the M6DPi supports PCI to PCI bridge and I<sub>2</sub>O technology that sets valuable resources free. Designed to fit into the standard AT form factor, the versatile M6DPi also features support for Fast Page Mode (FPM), and Extended Data Out (EDO) DRAM memory and Error Checking and Correction (ECC) when using parity memory. Pentium Pro processor support ranges from 150 to 200MHz.



(Click for larger view)

### Specifications:

#### **Processor:**

- Dual ZIF socket 8 for Intel® Pentium® Pro 150-200MHz
- Two VRM headers to supply CPU-specific voltages.

#### **i960RP**

- PCI-to-PCI Bridge
- Intelligent I/O (I<sub>2</sub>O) ready
- Inter-integrated circuit (I<sub>2</sub>C) on board

#### **Expansion:**

- Seven 32-bit PCI slots
- Two 16-bit ISA slots
- One is shared PCI/ISA slot
- One RAID Port (ARO 1130) attached to PCI slot

#### **CPU Clock Select:**

- Frequency synthesizer chip for easy CPU clock selection.
- Support for 60, 66MHz CPU bus, with configuration options to support CPU operation from 150 to

200MHz and above.

***Chip Set:***

- Intel 440FX PCIset
- Intel i960RP or i960RD
- SMC FDC37C93X Ultra I/O chip

***Memory:***

- Four 64/72-bit 168-pin 3.3V unbuffered DIMM sockets
- Maximum memory 1GB
- Supports FPM and EDO DRAM memory.
- ECC supported via chipset.

***Cache:***

- 16K On-chip Level 1 Write Back on CPU chip
- 256K/512K Level 2 Cache in CPU package

***PCI (Local Bus) IDE: (Option)***

- Mode 4 Enhanced IDE with Bus Mastering
- One Resident 40 pin IDE connector
- Auto detection of add-in IDE board
- Multiple sector transfer support

***Floppy:***

- Supports 360K - 2.88 MB formats
- Auto detection of add-in floppy

***Ultra/Wide SCSI (Manufacturing Option):***

- Adaptec 7880 Fast/Wide SCSI with Bus Mastering
- Resident 50 pin SCSI connector
- Resident 68 pin SCSI connector
- RAID port on board

***Communication ports:***

- 2 On-board 16550 compatible serial ports
- 1 On-board parallel port with ECP and EPP support
- 2 USB headers

***Graphics (Manufacturing Option):***

- Cirrus Logic 5436/5440
- 64-bit graphics accelerator with 1 MB frame buffer
- Video cable with VGA monitor connector

***Server Management:***

- Resident hardware monitor device (LM78)
- DMTF-compliant DMI/SMI support

***BIOS:***

- Phoenix BIOS on 2MB Flash
- PCI auto configuration

- Plug and Play ready
- Auto detection of memory size
- Auto detection & display of ECC & EDO memory
- Auto detection of CPU fan failure
- Auto configuration of IDE hard disk types
- DMI

***Keyboard and mouse:***

- Standard PS/2 style keyboard/mouse connectors

***Form Factor:***

- Standard AT footprint (12" x 13.8")
- Six Layer Board
- 3.3V AT power supply required

***Quality Commitment:***

The continuously evolving technology of the computer industry demands the highest level of quality, reliability and compatibility. Micronics is committed to providing the industry's best, from state-of-the-art manufacturing and testing to superior customer service.

The M6DPi is extensively tested for compatibility under various operating systems, including:

- LanDesk®
- OS/2™ Warp
- NOVELL
- SCO®
- UNIX®
- ODT
- Windows 95™ & NT™
- MS-DOS™ versions 5.0, 6.2 and PC-DOS.

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