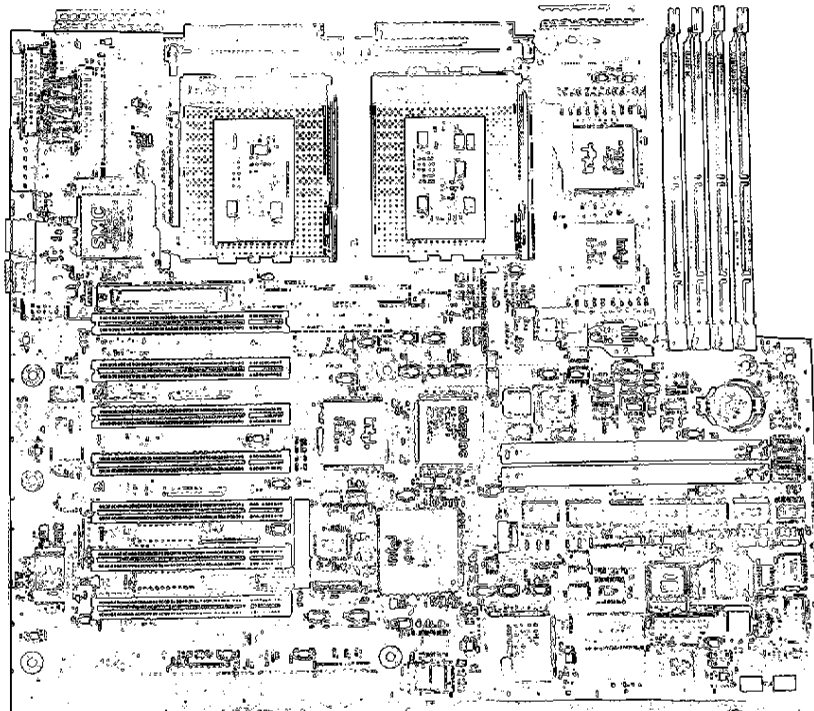


M6DPi System board

- Dual Pentium Pro 150-200MHz Processor
- Fast/Wide and Ultra/Wide SCSI
- Supports EDO and FPM DRAM memory
- Based on Intel 440FX PCIset
- Intelligent I/O (I₂O) - Intel i960®



*Providing 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 i960® supporting processor, the M6DPi supports PCI to PCI bridge and I₂O technology that allows multiple functions to be handled in the I/O subsystem, freeing the host CPU for applications processing and further enhancements of performance. 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 with two VRM headers to supply CPU-specific voltages.

M6DPi System board

Specifications:

Processor:

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

Intelligent I/O (I₂O):

- PCI-to-PCI Bridge
- Integrated circuit (I₂C) on-board
- Intel i960RP - 33MHz or i960RD - 66MHz
- Two 72-pin SIMM sockets, maximum 128MB
- I₂O BIOS on 8MB flash

Expansion:

- Seven 32-bit PCI Slots
- Two 16-bit ISA slots
- One is a shared PCI/ISA slot
- One RAIDBUS™ (Adaptec 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
- SMC FDC37C93X Ultra I/O chip

Memory:

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

Cache:

- 256K/512K/1MB Level 2 Cache in CPU package

PCI Local Bus IDE:

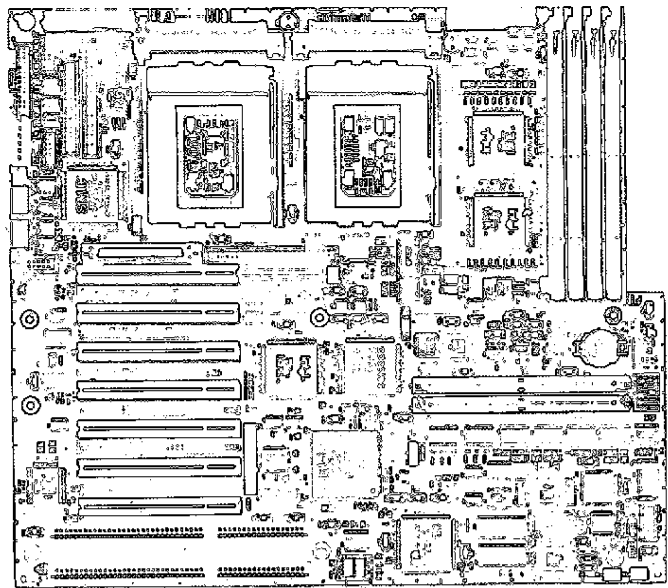
- Mode 4 Enhanced IDE with Bus Mastering
- One Resident 40 pin IDE connectors
- Auto detection of add-in IDE board
- Multiple sector transfer support

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
- RAIDBUS™ on-board



PENTIUM® PRO PROCESSOR PCI LOCAL BUS SERIES

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

BIOS:

- Phoenix 4.06 BIOS on 2MB Flash
- PCI auto configuration
- Plug and Play ready
- Auto detection of memory size
- Auto detection & display of ECC & EDO memory
- Auto configuration of IDE hard disk types
- Multi-boot
- DMI/SMI

Keyboard and mouse:

- Standard PS/2 style keyboard /mouse connectors
- AT keyboard connectors (optional)

Form factor:

- Standard AT footprint (12" x 13.8")
- Six Layer Board

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



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