Micronics Computers, Inc. introduces the MS4420 Pentium Pro barebone system. This dual Pentium Pro system with four DIMM sockets is ideally positioned to compete in the demanding high-performance work-station market and will respond to the needs for powerful multifunctional servers.

MS4420 MID-TOWER with W6-LI SYSTEM BOARD

The MS4420 Mid-Tower with W6-LI system board is positioned as a high-performance, dual Pentium® Pro™ server or workstation (additional option with sound also available.)

Processors:
Dual ZIF socket 8 for Intel® Pentium® Pro™ (One integrated VRM and one VRM header to supply CPU-specific voltages.

Expansion:
Four 32-bit PCI slots
Two 16-bit ISA slots
One is a shared PCI/ISA slot
All slots accommodate full-length cards.

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.

Chipset:
Intel 440FX PCIset with PIIX/3
SMC FDC37C93X Ultra I/O chip

Memory:
Four 3.3V buffered 168-pin DIMM sockets to accommodate:

1M x 64/72 (8 MB)	2M x 64/72 (16 MB)
4M x 64/72 (32 MB)	8M x 64/72 (64 MB)*
16M x 64 (128 MB)*	

Maximum memory 512 MB
Supports FPM and EDO DRAM memory
ECC supported via chip set when using parity
*Subject to availability

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

PCI (Local Bus) IDE:
Mode 4 IDE
Two Resident 40 pin IDE connectors
(Primary and Secondary IDE)
Auto detection of add-in IDE board
Multiple sector transfer support

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

Fast/Wide/Ultra SCSI:
Adaptec 7880 Fast/Wide/Ultra Wide SCSI
Resident 50 pin SCSI connector
Resident 68 pin SCSI connector

Communication ports:
2 On-board 16550 compatible serial ports
1 On-board parallel port with ECP and EPP support
2 USB connectors
1 IrDA compliant IR header

Sound ;Manufacturing Option (MS4411):
Creative Labs VIBRA 16CL Sound
Full Duplex
Sound Blaster™ Compatible 16-bit Stereo
Input, Output, Microphone and MIDI ports
Wavetable upgradeable

BIOS:
Phoenix 4.0X 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
Instant on & Quick boot
DMI

Keyboard and mouse:
Standard PS/2 style keyboard /mouse connectors

Form factor:
ATX Extended footprint (12" x 13" w/ 3.5" x 5.25")
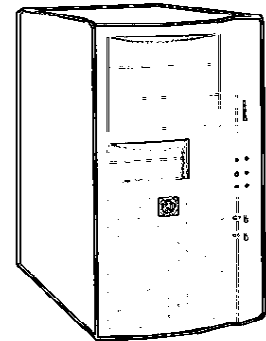Six Layer Board

Case:
Mid tower with the following features:
Dimensions 9.3" x 17.1" x 16.7" (WxHxD)
Three 5.25" HH and two 3.5" external drive bays
One internal 3.5" drive bay
LEDs: power, disk access, turbo
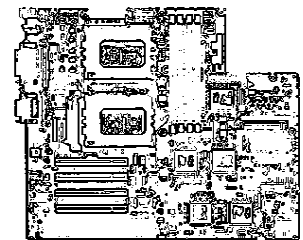Switches: power, mode, reset

Power Supply:
235 watt rating
ATX form factor
5V stand-by for soft power
Emissions: FCC class B and CISPR 22
Safety: UL1950, CSA C22, IEC 950, VDE 0805, NEMKO
Acoustic noise level 30 dBA

Quality Commitments and Certification:
The continuously evolving technology of the computer industry demands the highest level of quality, reliability and compatibility. The MS4420 has extensively been tested for compatibility under various operating systems and with most commonly used peripherals. All systems are accompanied by regulatory certification for FCC class B; UL/CUL and CE.

Mid-Tower

W6-LI System Board

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