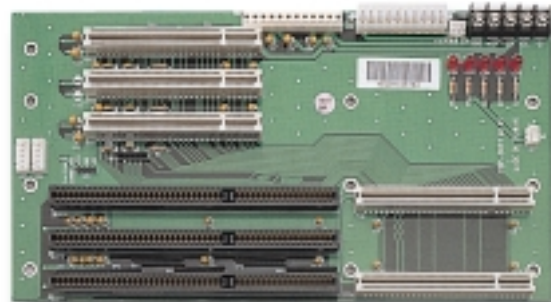


MINI-MAX *IPC*

1•800•268•0427



INDUSTRIAL PENTIUM COMPUTER



FROM

TRANSDUCTION

A COMPETITIVE SOURCE FOR INDUSTRIAL
HIGH PERFORMANCE PENTIUM COMPUTERS



MINI-MAX *IPC*



STREAMLINED *TECHNOLOGY*

Mini-Max Industrial Pentium computer has been designed specifically for high reliability to work in demanding node applications. The computer chassis has been optimized for sufficient air flow to remove heat envelopes from the hot components on the high speed Xeon, P4, Celeron and client installed DSP cards.

The overall reliability (MTBF) of Mini-Max is >50,000 hours. Only field proven components are used in this computer to assure failure-free operation in the field. Each component is subject to revision level tracking, quality improvements and minute analysis of failure reports. A strict failure log is maintained to detect any possible pattern of failures over long periods of time for early advisement of preventive maintenance or replacement.

The Mini-Max IPC can be supplied with Intel processor-based high speed Celeron, P4 and Xeon high speed single board computers. Good air flow increases the reliability of the system. Cooling of this computer has been optimized with a push-pull air flow with two ball bearing air fans: 62 CFM fan to push and 43 CFM fan to draw air out of the chassis. This push-pull approach provides for pressurized air flow inside the chassis and to remove hot air envelopes around the PC cards and disk drives.

The Mini-Max IPC can be supplied with a PICMG 6 ISA slots backplane or a 6 slots backplane that has 2 ISA, 3 PCI and 1 SBC slots. All backplane slots can be populated with "full" size cards.

The air intake fan is installed on the Air Chamber support bracket to assure that fan blades have enough air to push 62 CFM through the system.

Furthermore, the adaptive air fan controller is controlling the speed of the 62 CFM fan to lower audible noise and to defend the computer against intake of dust. The fan controller increases the speed of the air intake fan in proportion to the temperature of the air leaving the chassis, as measured by a thermistor.

A speaker alarm is activated when fan runs at full speed and ambient temperature exceeds 50C. Removable and washable air filter (not recommended) is included with each shipment.

The choice of power includes 300W or 400W AC supplies with autorange option and DC input supplies at 12, 24, 48, 125 and 250VDC. Medical type power supply designed to UL544 standard is also available. For critical applications, redundant 2X250W power supply is an option.

GET *INSIDE*



Overall the design and all components of Mini Max IPC have been selected for long term reliability based on many years of experience we have with each component included in this system. The Mini-Max IPC comes with an unconditional 2 years warranty, test report printout, bootable floppy disk with PC diagnostics and full technical support including the BIOS.

To assure long term availability the Mini-Max design is based on the processor components available from Intel's Embedded Group. This assures continuity of the hardware/software compatibility and reduces the cost of logistic support with the spare parts in the field. Furthermore only the open architecture, readily available components are used such as PS/2 style power supplies, standard size floppy and disk drives and PICMG passive backplanes.

Customers who specify this computer for their projects can rely on long term BIOS, hardware and documentation availability and support, which is important to lower long term cost of the computer system.

This computer meets following regulatory approvals:
UL, UL-C, FCC and CE.

Transduction also manufactures high performance rack mount computers and SCSI and FIBRE CHANNEL disk subsystems.

ULTRA *STRONG*

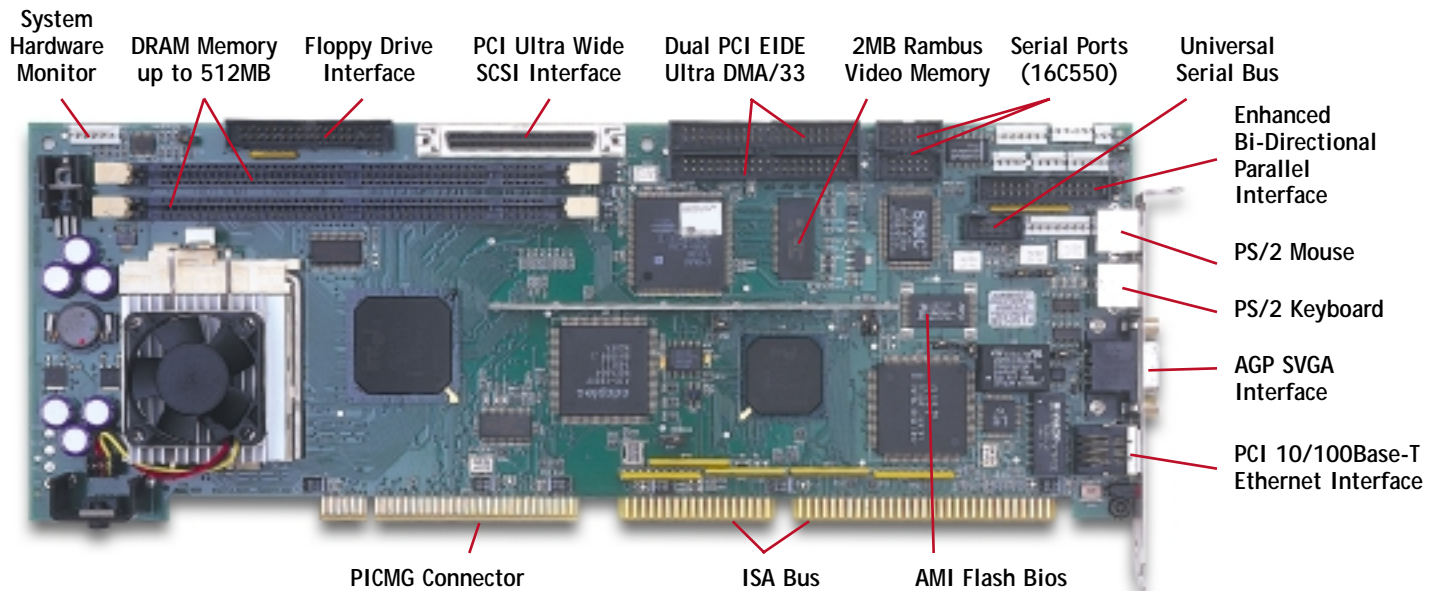
MINI-MAX INDUSTRIAL PENTIUM COMPUTER

- Choice of Intel's Celeron, P4 or Xeon SBCs
- Solid chassis made of zinc plated steel
- Corrosion resistant chassis finish
- Precision fabricated in our CAD-CAM shop
- Excellent EMI protection against emissions
- Highly optimized internal push-pull air flow
- Adaptive air fan controller to minimize noise & dust
- 6 slots PICMG ISA and ISA/PCI backplanes
- Accommodates floppy and two hard drives
- Large selection of AC and DC power supplies
- Designed for long term reliability
- High volume production capability
- Meets UL, CSA, FCC and CE regulatory approvals
- Long term availability and support
- 3 years warranty



MINI-MAX

CBX CELERON (PPGA) PROCESSOR-BASED SBC



PERFORMANCE *PACKED*

STANDARD CONFIGURATION:

Model Mini-Max 2000 IPC including 2 ISA, 3 PCI, 1 SBC backplane, 300W AC power supply, Intel P4 2.4 Ghz based SBC with AGP SVGA, 10/100Mbs ethernet port, USB port and 256MB parity gold DDR SDRAM, floppy disk and 40GB hard drive. Includes test report printout and PC diagnostics on a bootable floppy disk. 3 years warranty. Has room for 2 "full" size ISA and 3 "full" size PCI option cards.

NOTE: PCI type IDE RAID-1 (mirror) controller with two U-DMA drives is also available.

OPERATING ENVIRONMENT:

TEMPERATURE: 0 to 50 C with audible alarm

HUMIDITY: 0 to 95% non-condensing

VIBRATION: Up to 2G, up to 5G with 4 optional anti-vibration stand-offs.

PHYSICAL DIMENSIONS:

CHASSIS: 10" wide, 7" high, 16" long, 8" high with optional anti-vibration stand-offs.

WEIGHT: 18 lbs, shipping weight 25 lbs max.
Shipping carton: 15.5" wide, 23.5" long, 13" high
300 lbs carton with high density foam inserts.
Withstands drop shock of 5G.



TRANSDUCTION

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