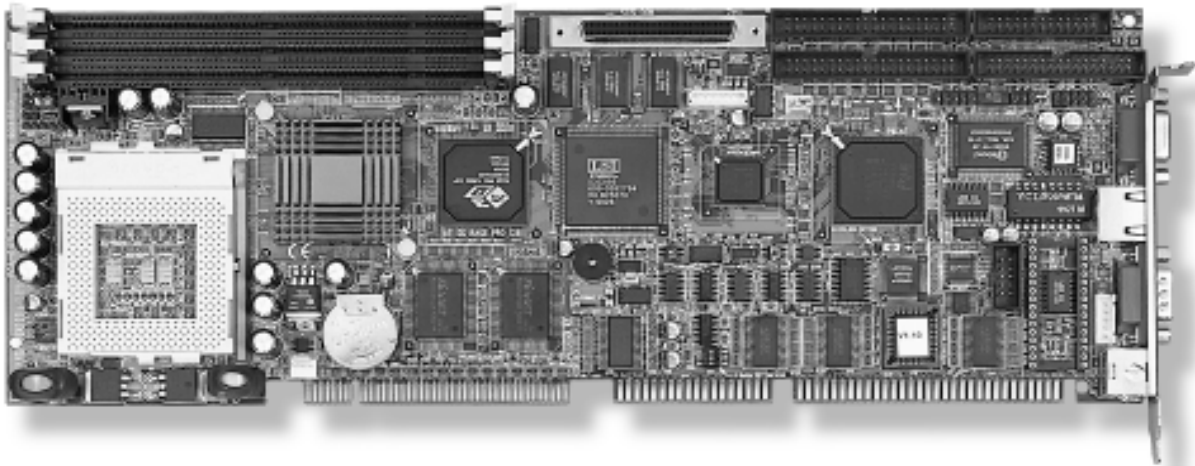


PCA-6178

Socket 370 Pentium III
SBC with VGA/LAN/SCSI



Single Board Computers
(SBC)

Features

- Socket 370 Pentium III processor up to 700+ MHz
- Intel 82440BX PCI set, supports FSB 100 MHz
- Three DIMM sockets for SDRAM up to 768MB, supports ECC
- On-board security for CPU fan, thermal and voltage monitoring
- On-board VGA/AGP with 4 MB SGRAM
- On-board 10/100Base-T networking controller
- On-board Ultra II SCSI controller
- ISA High Drive 64 mA (HISA)
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup

Specifications

- **CPU:** Intel® Pentium III up to 700+ MHz
- **2nd level cache:** 256 KB on CPU full-speed cache
- **Chipset:** Intel 82440BX, supports 66/100 MHz FSB
- **BIOS:** Award Flash BIOS 2 Mb
- **Bus interface:** PCI/ISA bus, PICMG compliant
- **RAM:** Three 168-pin DIMM sockets up to 768MB SDRAM support ECC
- **LAN:** Supports 10/100Base-T Ethernet networking
Controller: Intel® 82559
- **VGA/AGP:** Supports AGP 2X, 133 MHz
Controller: ATI Rage Pro Turbo
On-board 4 MB SGRAM
- **PCI SCSI:** SupPorts 32-bit PCI interface and Ultra II SCSI or legacy single-ended devices; data transfer rates up to 80 Mb/sec
Chipset: Symbios SYM53C895
- **HISA:** ISA bus high driving capability up to 64 mA on all data, address and control lines
- **Floppy disk drive interface:** Supports up to two floppy disk drives. BIOS enabled/disabled. Also supports Japanese "Floppy 3" mode



- **PCI IDE interface:** Two Enhanced IDE interface, supports 4 IDE devices, PIO modes 3, 4 with bus mastering up to 16.67 MB/sec and Ultra DMA mode up to 33 MB/sec
- **Enhanced parallel port:** Configurable to LPT1, LPT2, LPT3 or disabled. Supports SPP/EPP/ECP
- **Serial ports:** Two RS-232 ports with 16C550 UARTs (or compatible) with 16-byte FIFO buffer. Supports speeds up to 115.2 Kbps. Ports can be individually configured to COM1, COM2 or disabled
- **USB:** Two USB ports
- **Keyboard and PS/2 mouse connector:** A 6-pin mini-DIN connector is located on the mounting bracket for easy connection to a keyboard or PS/2 mouse. An on-board keyboard pin header connector is also available
- **Watchdog timer:** Can generate a system reset or IRQ11, programmable from 1 sec. to 63 sec.

Mechanical and environmental specifications

- **Operating temperature:** 0 ~ 60° C (32 ~ 140° F)
- **Power supply voltage:** +5 V, ±12 V
- **Board size:** 338 x 122 mm (13.3" x 4.8")

Ordering Information

- **PCA-6178L**
Pentium III® processor-based PCI/ISA-bus full-size CPU card
- **PCA-6178V**
Pentium III® processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)
- **PCA-6178VE**
Pentium III® processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/LAN
- **PCA-6178VS**
Pentium III® processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/SCSI
- **PCA-6178F**
Pentium III® processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/LAN/SCSI