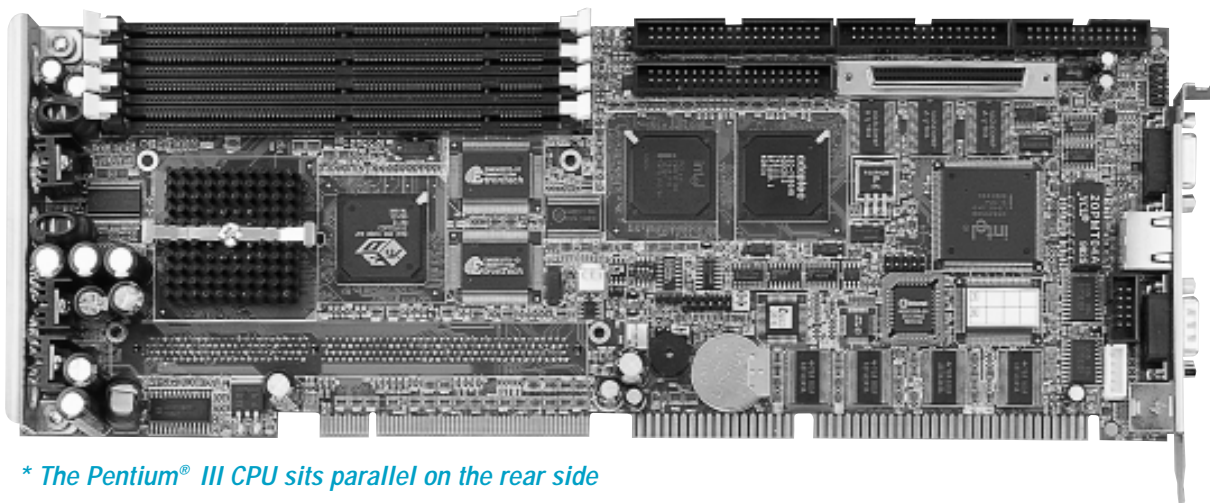


# PCA-6176

100 MHz FSB Pentium® III SBC  
with VGA/LAN/SCSI



\* The Pentium® III CPU sits parallel on the rear side

## Features

- Pentium® III processor up to 900 MHz
- Intel® 82440BX PCI set, supports 100 MHz FSB
- Four DIMM sockets for SDRAM up to 1 GB, supports ECC
- On-board security for CPU fan, thermal and voltage monitoring
- On-board VGA/AGP with 4 MB VRAM
- 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 900 MHz
- **2nd level cache:** 512 KB on CPU cache
- **Chipset:** Intel® 82440BX, supports 66/100 MHz FSB
- **BIOS:** Award Flash BIOS 2 Mb
- **Bus interface:** PCI/ISA bus, PICMG compliant
- **RAM:** Four 168-pin DIMM sockets, up to 1 GB SDRAM, supports ECC
- **LAN:** Supports 10/100Base-T Ethernet networking  
Controller: Intel® 82558
- **VGA/AGP:** Supports AGP 2X, 133 MHz  
Controller: ATI 3D Rage Pro Turbo  
On-board 4 MB SGRAM
- **PCI SCSI:** Ultra2 SCSI data transfer rates up to 80 MB/sec  
Chipset: Adaptec AIC-7890
- **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 interfaces, 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-6176L**  
Pentium® III processor-based PCI/ISA-bus full-size CPU card
- ☐ **PCA-6176**  
Pentium® III processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)
- ☐ **PCA-6176S**  
Pentium® III processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/SCSI
- ☐ **PCA-6176E**  
Pentium® III processor-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/LAN
- ☐ **PCA-6176F**  
Pentium® III processor-based PCI/ISA-bus full-size CPU card with HISA/SCSI/VGA(AGP)/LAN

