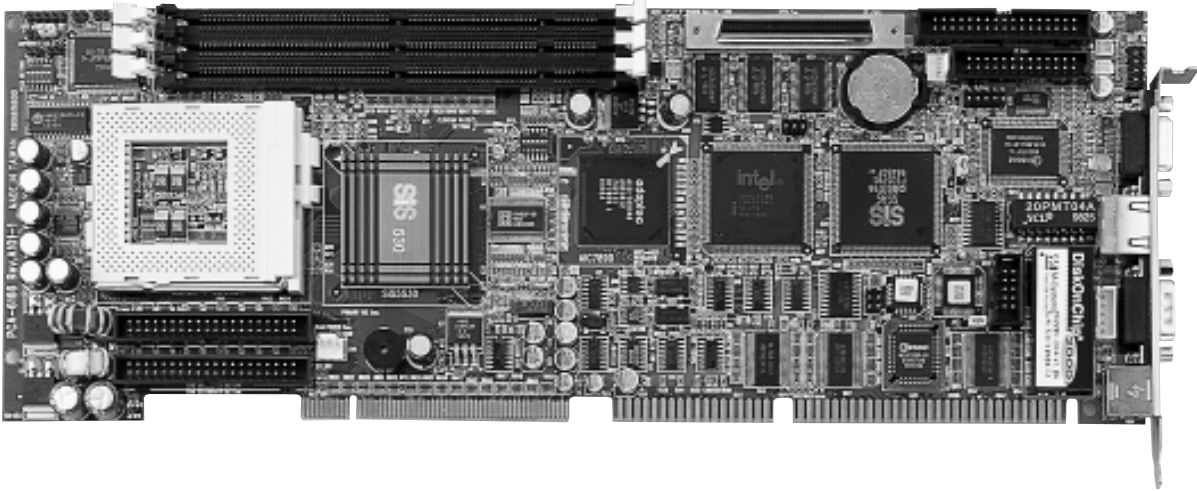


PCA-6166

Super 7 Pentium® MMX SBC
with VGA/LAN/SCSI



Single Board Computers
(SBC)

Features

- Socket 7 architecture
- Pentium® MMX processor 166 - 233, AMD K6-2/K6-3 up to 533 MHz
- SiS 530 PCI chipset, supports FSB 100 MHz
- Three DIMM sockets for SDRAM up to 384 MB
- On-board security for CPU fan, thermal and voltage monitoring
- On-board VGA (AGP) share system memory 2/4/8 MB
- ISA High Drive 64 mA (HISA)
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup

Specifications

- **CPU:** Intel® Pentium® MMX up to 233 MHz
AMD K6-2/K6-3 up to 533 MHz
- **2nd level cache:** 1 MB on board
- **Chipset:** SiS 530, supports up to 100 MHz FSB
- **BIOS:** Award Flash BIOS 2 Mb
- **Bus interface:** PCI/ISA bus, PICMG compliant
- **RAM:** Three 168-pin DIMM sockets, up to 384 MB SDRAM
- **LAN:** Supports 10/100Base-T Ethernet networking
Controller: Intel® 82558
- **VGA/AGP:** Supports AGP 2X, 133 MHz
Controller: SiS 530 built-in
- **PCI SCSI (upon request):** Ultra2 SCSI data transfer rates up to 80 MB/sec
Chipset: Adaptec AIC-7890
- **HISA:** ISA High Drive, up to 64 mA
- **SSD:** Supports M-Systems' DOC® 2000 Flash disk up to 144 MB

- **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
- **Floppy disk drive interface:** Supports up to 2 floppy disk drives. BIOS enabled/disabled. Also supports Japanese "Floppy 3" mode
- **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-6166**
Super 7 / 100 MHz FSB-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)
- **PCA-6166E**
Super 7 / 100 MHz FSB-based PCI/ISA-bus full-size CPU card with HISA/VGA(AGP)/LAN

