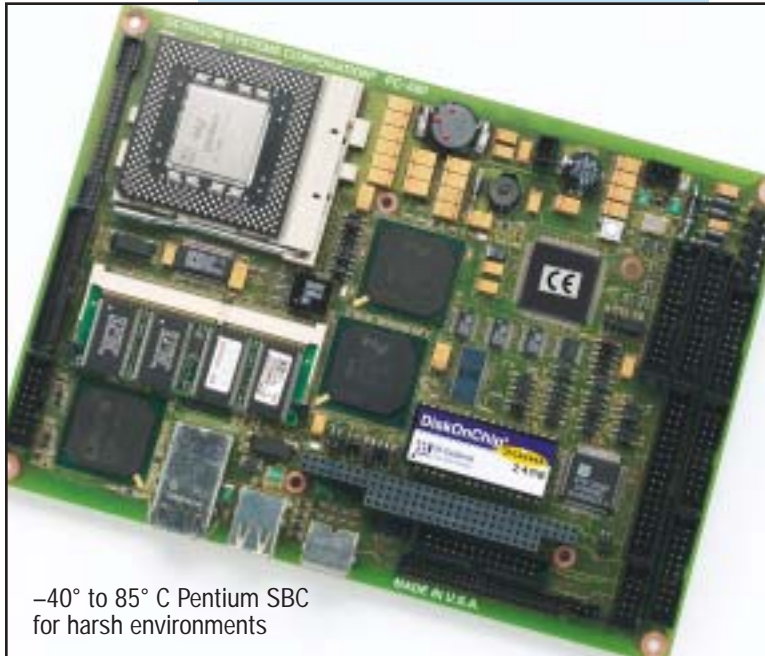


PC-680

PENTIUM® SBC OFFERS
INDUSTRIAL ETHERNET®



-40° to 85° C Pentium SBC
for harsh environments

Description

The PC-680 is a Pentium SBC packed with industrial grade I/O. The low-power Intel Mobile Pentium processor operates in high temperature environments with little or no ventilation. The high performance USB, EIDE, video, and 100 Base-T Ethernet use the PCI local bus. I/O can be expanded through the PC/104 port.

The PC-680 is ideal for transportation, automation, medical and other applications where high reliability and/or harsh environments are present. It supports most LCD panels. Drivers for a number of flat panels are available from Octagon.

The 166 MHz version does not require a fan. The card can also be ordered depopulated and with other processors for cost-effective OEM solutions.

Features

- CPU:Intel Mobile Pentium, 166 MHz & 266 MHz,
Chipset: Intel 82C439TX
- DRAM:Supports 128 MB, SDRAM
- Cache:512K secondary cache
- Flash4 or 8 MB, on-card, 28 MB
DiskOnChip support
- SoftwareDOS 7.1, flash file system,
diagnostics & utilities installed
- SRAM512K, battery-backed
supported
- VideoC&T 69000 XVGA controller,
2 MB memory, 32-bit flat panel
interface, graphic accelerator,
CRT support, PCI Bus interface
- Ethernet®:10 Base-T/100 Base-TX,
auto-negotiating, half/full
duplex, PCI Bus interface
- Serial:Six serial ports, 16C550 com-
patible, RS-232/422/485,
ESD protection
- USB:2 ports w/UHCI support
- Parallel:Bi-directional, ECP/EPP modes
- EIDE:Two hard disks, SanDisk,
CD-ROM drives,
PCI Bus interface
- Digital I/O:32 lines, bit programmable,
15 mA drive
- Speaker:Standard PC speaker port
- Precision RTC:Accurate to 2 min./year
- Keyboard:AT keyboard support with
PS-2 connector

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A Pentium SBC packed with industrial grade I/O:

The low-power Intel Mobile Pentium processor operates in high temperature environments with little or no ventilation. The high performance video and 100 Base-T Ethernet operate from the PCI local bus. The I/O can be expanded through the PC/104 port.

- CPU monitor: CPU temperature monitor can be used for power management
Floppy: Supports two floppy drives with all standard densities
Expansion: PC/104 connector, 16-bit
Compatibility: Windows NT/98/CE, QNX and Linux
Y2K: Compliant BIOS
Watchdog timer: Programmable to 0.5 to 64 seconds

TECHNICAL SPECIFICATIONS:

- Power: Low power, 5V only operation
Environment: -40 to 85 C: 166 MHz Mobil Pentium, operating range, no fan.
-40 to 70 C: 266 MHz Mobile Pentium, operating range, w/fan.
Shock: 40g
Vibration: 6g, random, 10-500 Hz
Size: 5.75" x 8" (EBX outline)

Ordering Information

- Order #5455: PC-680, with 166 MHz Mobile Pentium, 4 MB flash, 0K SDRAM and 512K secondary cache, manual and utilities on CD
Order #5877: PC-680, with 266 MHz Mobile Pentium, 4 MB flash, 0K SDRAM and 512K secondary cache, manual and utilities on CD

ACCESSORIES

- Order #5565: 32 MB SDRAM
Order #5591: 64 MB SDRAM
Order #4866: VTC-20F, serial cable, 20-pin female, 18-in.
Order #4808: PCA-36, Centronics printer cable, 36-in.
Order #4865: VGA-12, video cable, 15-pin, 12-in.
Order #4080: 3.5-in. HD adapter cable
Order #3186: AT battery

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