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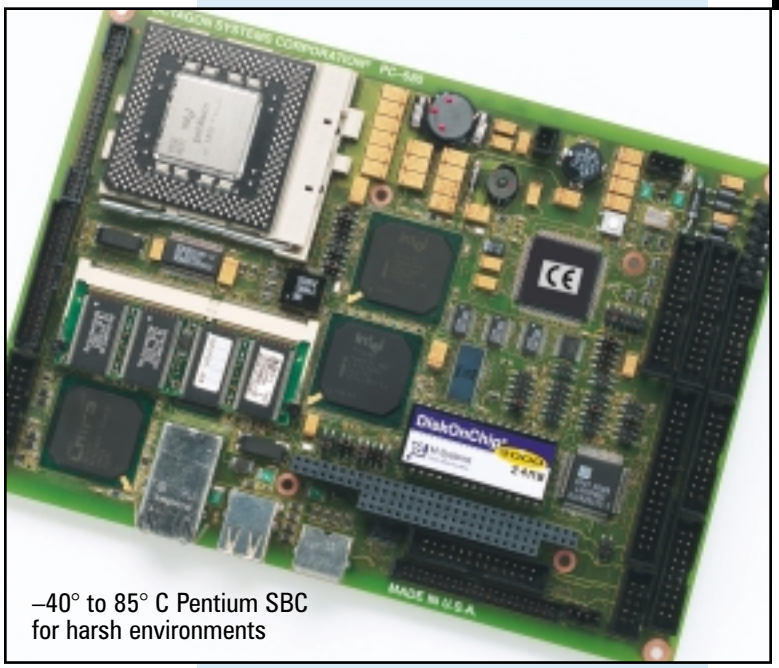
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Find the *Octagon Systems PC-680* at our website: ***Click HERE***

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 Tillamook® (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 Mobile Pentium does not require a fan; the AMD K6 CPU is supplied with a fan. The card can also be ordered depopulate and with other processors for cost–effective OEM solutions.

Features

CPU: .....Intel Mobile Pentium, 166 MHz, AMD K6 II, 333 MHz
Chipset:.....Intel 82C439TX
DRAM: .....Supports 128 MB, SDRAM
Cache:.....512K secondary cache
Flash .....4 or 8 MB, on–card, 144 MB DiskOnChip support
Software .....DOS 6.22, flash file system, diagnostics & utilities installed
SRAM .....512K, battery–backed supported
Video.....C&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 compatible, 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
RTC: .....Accurate to 2 min./year
Keyboard: .....AT keyboard support with PS–2 connector

Continued, page 2

A Pentium SBC packed with industrial grade I/O:

The low–power Tillamook (Intel Mobile Pentium) processor operates in high temperature environments with little or no ventilation. The high performance PC I/O like 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, Tillamook 166 MHz, operating range
–40° to 70° C, K6 II 333 MHz, operating range
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 disk
Order #5483.....PC–680, with K6 II to 333 MHz, 4 MB flash, 0K SDRAM and 512K secondary cache, manual and utilities on disk

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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Westminster, CO 80031
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FAX: 303–412–2050

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