All-In-One Half Size **Intel® Celeron™** and **Intel® Pentium® III PISA®** Slot-CPU
with LCD-Flat panel interface, Sound, 100 MBit Ethernet, IRDA, USB and PISA®-Bus (PCI+ISA)

*coo/***MONSTER**/P3
*coo/***MONSTER**/C3

■ **CPU**
Intel® Mobile Pentium® III 850 MHz,
Intel® 440GX

Intel® Mobile Pentium® III,
Intel® 440BX
400 to 700 MHz, low power dissipation

Intel® Celeron™ 300 MHz,
Intel® 440BX
ultra low power dissipation, fanless

■ **DRAM**
1 DIMM sockets
up to 256 MByte SDRAM
with GX chipset up to 512 MB SDRAM

■ **Cache**
L1: 32 kByte on chip
L2: 256 kByte on chip

■ **Sound**
Soundblaster compatible
Full duplex
Line In and Line Out stereo
Mic In mono
3D audio effect processor

■ **System Controller**
Fan and Temperature Control
supported via SMI
(System Management Interface)

■ **High Speed AGP video controller**
ATI RAGE MOBILITY
4 / 8 MByte Video RAM on Chip
Simultaneous and independent operation
of LCD and CRT (Win9x/2000/XP)
DVD hardware support
MPEG-2 hardware support
2D/3D Acceleration

■ **Resolutions CRT and LCD**
VGA   640x480   full color
SVGA   800x600   full color
XGA   1024x768   full color
SXGA   1280x1024 full color

■ **LCD Panel Support**
JUMPtec Intelligent LVDS Interface (JILI)

■ **Serial interfaces**
4 x RS232 (16 Byte FIFO)
one switchable to RS485

■ **Parallel port**
EPP/ECP, bi-directional

■ **Floppy interface**

■ **Harddisk**
EIDE interface
Ultra33 DMA mode

■ **Ethernet**
10/100Base-T Twisted Pair (RJ45)

■ **USB port**

■ **IRDA interface**
Sharp-IR and IRDA SIR

■ **Dimensions**
175x125 mm (6.9x4.9")
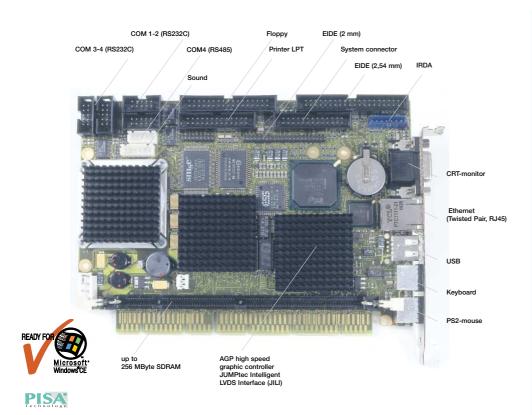
■ **Power Consumption**
15 .. 25 Watt
depending on processor clock
and operating system

■ **Temperature**
operation: 0° to 50°C
storage: -10° to 85°C

■ **Max. humidity**
operation:10% to 90%
storage: 5% to 95%
(non condensing)

Picture of fanless Intel® Celeron® 300 MHz board

Labels on diagram:
COM 1-2 (RS232C), COM 3-4 (RS232C), COM4 (RS485), Sound, Floppy, Printer LPT, EIDE (2 mm), System connector, EIDE (2,54 mm), IRDA, CRT-monitor, Ethernet (Twisted Pair, RJ45), USB, Keyboard, PS2-mouse, up to 256 MByte SDRAM, AGP high speed graphic controller JUMPtec Intelligent LVDS Interface (JILI)

READY FOR Microsoft® Windows CE

PISA® Technology

Description

The *coo***MONSTER**/P3 is an "**all in one**" Intel® Pentium® III based slot PC with consistent low power design. Despite the very compact half size format it's possible to integrate the PISA® (PISA®=PCI+ISA) bus and a full featured set of interfaces.
Beside all standard interfaces (four serial ports, one as RS232 or RS485, EPP/ECP parallel port, floppy, EIDE, USB and IRDA port) a Soundblaster compatible sound-chip and a high speed AGP video controller (ATI RAGE MOBILIBTY) is available. It can operate CRT monitors and LCD flat panels in parallel even with different screen content. Flatpanel displays with highest resolutions can be connected via the dual LVDS easily. Up to 8 MByte of video memory are already on chip at the graphic controller.

Two EIDE ports, one with 40-pin connector, the other with 44-pin 2 mm connector, are available to support various mass storage devices. The **JUMP***tec*® chipDISK, a IDE compatible flash disks up to 256 MByte, can be attached and mechanicaly fixed, directly to this connector.
Additionally the *coo***MONSTER** is equipped with a switchable Ethernet 10/100Base-T interface (Twisted Pair).
For highest reliability an intelligent watchdog timer and a system monitoring to control temperature and fans are integrated.
The *coo***MONSTER**/P3 offers high performance in parallel with highest reliability and lowest cost.

*coo***MONSTER**/P3   *... always a Jump ahead!*

Ordering-Information

Article	Part.-No.	Description
CMP/C3-300	07025-0000-30-1	Intel® ULP Celeron™ 300 MHz FANLESS, 4 MByte AGP Grafic, 4xCOM, Sound, 10/100 MBit Ethernet, PISA®-Bus, no Memory.
CMP/P3-400	07025-0000-40-1	Intel® LP Pentium® III 400 MHz, 4 MByte AGP Grafic, 4xCOM, Sound, 10/100 MBit Ethernet, PISA®-Bus, no Memory.
CMP/P3-700	07025-0000-70-1	Intel® LP Pentium® III 700 MHz, 8 MByte AGP Grafic, 4xCOM, Sound, 10/100 MBit Ethernet, PISA®-Bus, no Memory.
CMP/P3-850	07025-0000-85-1	Intel® LP Pentium® III 850 MHz, Intel 440GX chipset, Sound, 10/100 MBit Ethernet, PISA®-Bus, no Memory.