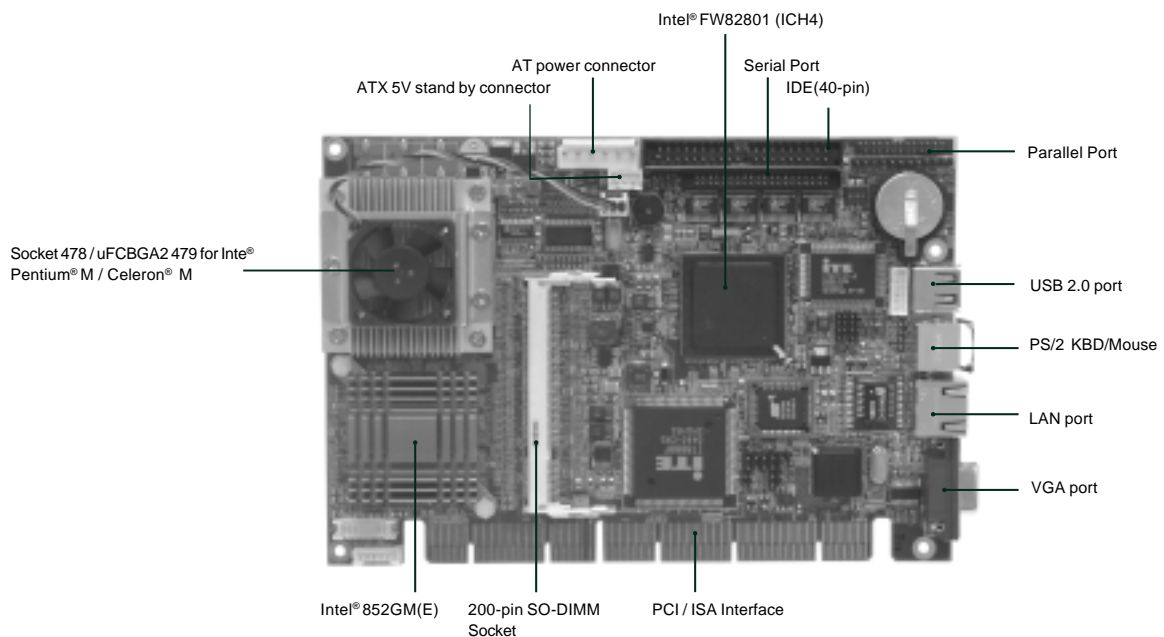


PEAK 703P

Half-sized PCI/ISA SBC support Intel Pentium® M/Celeron® M w/VGA/LAN



Features

- ◆ Socket 478 / uFCBGA2 479 for Intel® Pentium® M / Celeron® M Processor up to 2GHz+ with 400 MHz FSB
- ◆ Intel® 852 GM(E) / ICH4 Chipsets
- ◆ 184-pin DIMM x1, support DDR200/266 SDRAM memory up to 1GB
- ◆ Intel® 82541ER GbE LAN x 1
- ◆ USB 2.0 ports x 4, Serial ports x 4, LVDS interface x 1

Specifications

System Architecture

- ◆ Small Form Factor with 4 screw holes for Embedded Application or Optional PCB Solder Side Protected Plastic Plate
- ◆ Half-size SBC with PCI-ISA Golden finger

CPU support

- ◆ Single 478uFCPGA/479uFCBGA socket
- ◆ Support Intel®Pentium® M : 2MB Cache, 400 MHz FSB, speed up to 2.0 GHz
- ◆ Support Intel®Pentium®M : 1MB Cache, 400 MHz FSB, speed up to 1.7 GHz
- ◆ Support Intel®Celeron®-M: 512KB Cache 400 MHz FSB, speed up to 1.5 GHz

Memory

- ◆ 200-pin SO-DIMM socket x 1
- ◆ Support un-buffered non-ECC DDR 200/266 up to 1GB

BIOS

- ◆ Award System BIOS
- ◆ Advanced Configuration & Power Interface support
- ◆ 4M bits flash ROM
- ◆ Advanced Power Management support

Chipset

- ◆ Intel® 852GM (GMCH)
- ◆ Intel® FW82801 (ICH4)
- ◆ 4M bit Flash BIOS

LAN

- ◆ Intel® 82541ER Gigabit Ethernet
- ◆ RJ45 with LED x 1
- ◆ Boot from LAN support

Display

- ◆ Intel® 852GM integrated dynamic video shared memory, 32 MB max adjusted by OS
- ◆ VGA interface: D-sub 15-pin for standard CRT
- ◆ Resolution : Up to 1600 x 1200 for CRT or UP to 1280 x 1024 for TFT
- ◆ Internal LVDS: Support 18/24bit single pixels or 18-bit dual pixels LVDS panel (Resolution support up to 1280 x 1024)
- ◆ Dual Display : Simultaneous Scan-CRT + LVDS LCD, Dual View- CRT+ LVDS LCD

I/O Interface

- ◆ On-board buzzer x 1
- ◆ IrDA Header x 1
- ◆ On-board 2-pin header for reset
- ◆ 5-pin for key lock, 2-pin for power LED, 2-pin for HDD Power LED



- ◆ Serial port: 40-pin box headerx1 support RS232 x 4 (optional COM2 RS232/422/485 by switch)
- ◆ USB 2.0 portx4 via 6-pin pin header
- ◆ HDD: Ultra ATA 100/66/33 support, 40 pin connector x1
- ◆ CF socket x 1
- ◆ Parallel Port: 26-pin connector x 1
- ◆ PS/2 keyboard/mouse:
- ◆ 6-pin MiniDIN connectorx1
- ◆ AC97 audio interface: 4-pin header x 3 for Line-in/Line-out/Mic-in/ Speaker-out
- ◆ Digital I/O port: 8 sets general purpose I/O each with TTL level interface

System Monitor

- ◆ One Fan speed (For CPU)
- ◆ System monitor controller derived from IT8712
- ◆ 7 voltage (For Vcore, +1.05V, +1.2V, +2.5V, +3V, +5V, +5V Stand-By)
- ◆ 2 temperature (one for CPU internal use, another for external system use)

Real Time Clock

- ◆ On chip RTC with battery back up
- ◆ Lithium battery x 1

Watchdog Timer

- ◆ 1-128 seconds time-out intervals

Dimensions

- ◆ 186.5mm(L) x 127.5mm(W)

Environment

- ◆ Operating temperature: -20°C to 60°C
- ◆ Storage temperature: -20°C to 80°C
- ◆ Relative humidity:10% to 90% (Non-condensing)

Power Requirements

Model	PEAK 703P
CPU	Intel® Pentium® M 1.7G
Memory	512MB
+5 V	8 A

Ordering Information

- ◆ **PEAK 703P** Half-size PCI/ISA SBC Support Intel Pentium® M / Celeron® M w/VGA/GbEx 1

