



## Main Features

- ◆ **Socket 478 for Intel® Pentium® M/Celeron® M up to 2 GHz with 400 MHz FSB**
- ◆ **Intel® 852GM/ICH4 Chipsets**
- ◆ **1 x 184-pin DIMM, Supports DDR 200/266 SDRAM Memory up to 1 GB**
- ◆ **1 GB**
- ◆ **1 x Intel® 82541ER Gigabit Ethernet**
- ◆ **4 x USB 2.0 Port, 4 x Serial Port, 1 x LVDS Interface**

## Product Overview

The PEAK 703P is a half-size PCI-ISA SBC featuring Intel® Pentium® M/Celeron® M processors with a 400 MHz FSB. The incorporates Intel® 852GM and ICH4 chipsets support un-buffered non-ECC DDR 200/266 memory up to 1 GB with 400/533 MHz FSB and an integrated graphic controller with shared 64 MB memory, as well as LVDS LCD and dual display support.

The South Bridge ICH4 manages Ultra ATA 100, a CompactFlash socket, a parallel port, four serial ports, four USB ports, a Gigabit Ethernet LAN port, an audio interface, and more. The PEAK 703P offers a cost effective solution with various processor speeds and versatile I/O for industrial applications.

## Specifications

### CPU Support

- ◆ Single 478 uFCPGA/479 uFCBGA socket
- ◆ Supports Intel® Pentium® M: 1 or 2 MB L2 Cache, 400 MHz FSB, speeds up to 1.8 GHz
- ◆ Supports Intel® Celeron® M: 512 KB or 1 MB L2 Cache, 400 MHz FSB, speeds up to 1.5 GHz

### Main Memory

- ◆ 1 x 200-pin SODIMM for up to 1 GB Unbuffered non-ECC DDR 200/266 SDRAM
- ◆ DDR 333/400 is also compatible but runs at 266 MHz

### Chipset

- ◆ Intel® 852GM
- ◆ Intel® 82801DB (ICH4)

### BIOS

- ◆ Award System BIOS / 4 Mbit flash ROM
- ◆ ACPI(Advanced Configuration & Power Interface) support when 5 Vsb power available.
- ◆ APM (Advanced Power Management) support

### On-board LAN

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

### Display

- ◆ Intel® 852GM with integrated graphics, up to 64 MB of Dynamic Video

### Memory Allocation

- ◆ VGA interface: D-sub 15-pin for standard CRT
- ◆ CRT Resolution: 1600 x 1200 at 85 Hz and up to 1920 x 1440 at 60 Hz
- ◆ Internal LVDS: Supports 18/24-bit single pixels or 18-bit dual pixels LVDS panel (Resolution up to 1280 x 1024)
- ◆ Dual display: CRT + LVDS LCD

### I/O Interface

- ◆ Serial port: 1 x 40-pin box header, RS232 x 4 (0M2 RS232/422/485 by switch)
- ◆ USB 2.0: 4 ports (USB 1 is edge connector, USB 2 via box Header, USB 3 ~ 4 via pin header)
- ◆ HDD: Ultra ATA 100/66/33 support, 1 x 40-pin connector
- ◆ CF: 1 x CompactFlash socket
- ◆ Parallel Port: 1 x 26-pin connector
- ◆ PS/2 Keyboard/Mouse: 1 x 6-pin Mini-Din connector

