

IP-4MTI2H

Socket 478 Micro ATX Board for Pentium® M Processor with LCD / VGA / Gigabit LAN / Audio / 4COM / SATA / CF

Key-point:

- > Socket 478 for Intel® Pentium® M processor, up to 1.8GHz
- > Intel® 855GME chipsets, 400 / 500 MHz FSB
- > Chipset integrated LVDS / VGA function
- > Support 10 / 100 / 1000 Base-TX Ethernet
- > AC97 Audio Codec, 6 x USB 2.0 ports, 4 x COM ports, 2 S-ATA ports, CF socket
- > 3 x PCI slots
- > WatchDog timer & Hardware monitoring function



Preliminary Specifications:

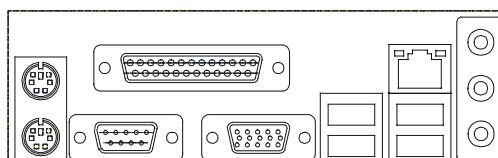
- ⊙ **Processor:**
 - * Support socket 478 Intel® Pentium® M processor
 - * Up to 1.8GHz
- ⊙ **Core Logic:**
 - * Intel® 855GME + ICH4 chipsets
- ⊙ **BIOS:**
 - * Award BIOS
- ⊙ **Front Side Bus Speed:**
 - * 400 / 533 MHz
- ⊙ **Memory:**
 - * Two 184-pins DIMM, support 2GB DDR200 / 266 SDRAM (max.)
- ⊙ **Onboard LVDS / VGA Controller:**
 - * Intel® 855GME chipset integrated LVDS, VGA function
 - * Support LVDS panel, display up to UXGA resolution
 - * 15-pins D-Sub VGA connector
- ⊙ **Gigabit LAN Controllers:**
 - * Intel® 82541GI Gigabit LAN, for 10 / 100 / 1000 Base-TX Ethernet
- ⊙ **Onboard IDE:**
 - * Two EIDE channels for PIO mode, DMA mode
 - * Support four ATA-100 / 66 / 33 IDE devices
- ⊙ **Multi I/O:**
 - Onboard Winbond® W83627HF chip, Support:
 - * 1 x Floppy port by pin-header
 - * 1 x SPP / EPP / ECP parallel port
 - * COM1 / 2 for RS-232
 - * COM3 / 4 for RS-232 or RS-422 / 485 (jumper selectable)
 - * CompactFlash™ type II socket (Occupy IDE2 Master)
- ⊙ **Keyboard / Mouse Connector:**
 - * Staked connector for PS/2 type keyboard / mouse
 - * 1 x 6-pins header connector for external keyboard / mouse
- ⊙ **Audio:**
 - * AC97 Audio codec
- ⊙ **Serial ATA:**
 - * Two S-ATA ports, support data transfer rates up to 150MB/s
- ⊙ **USB:**
 - * Support 6 x USB 2.0 ports, four USB ports on rear panel
 - * 2 x USB ports by pin-header, optional USB cable with bracket
- ⊙ **WatchDog Timer:**
 - * 256 Levels software programmable
- ⊙ **Hardware Monitoring:**
 - * Winbond® W83627HF chip, monitoring for CPU and system temperature, voltage and fan speed
- ⊙ **Extension Slots:**
 - * 3 x PCI slots
- ⊙ **Environments:**
 - * Operation temperature: 0°C to 60°C (32° F to 140° F)
 - * Storage temperature: -20°C to 80°C (-68° F to 176° F)
 - * Relative humidity: 10% to 90% (Non-Condensing)
- ⊙ **Certification:**
 - * CE, FCC pre-scan approval
- ⊙ **Form Factor:**
 - * Micro ATX form factor 9.6" x 9.6" (244mm x 244mm)

*Specification is subject to change without prior notice

Ordering Information:

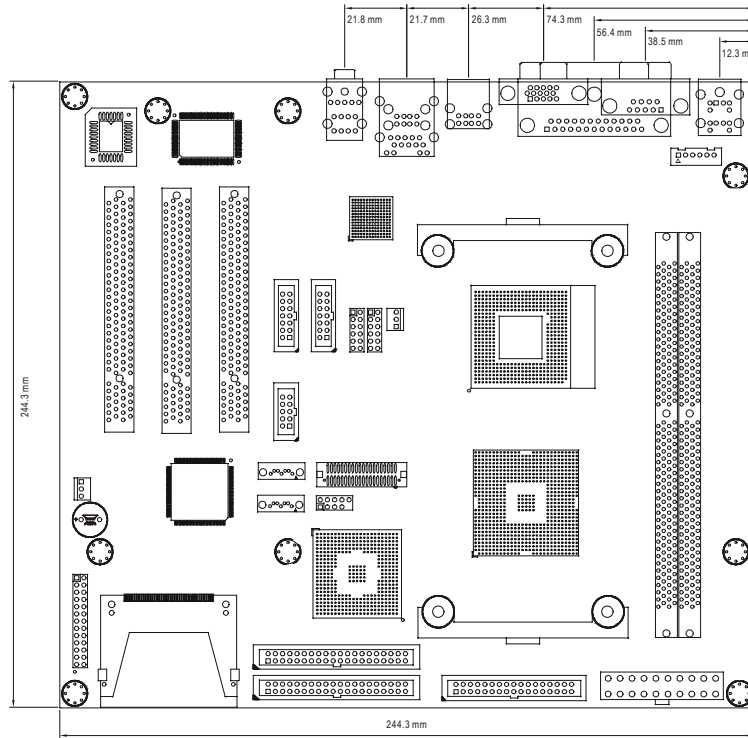
Model No.	Position	Support P M CPU	Support LVDS Panel	Support VGA	Support Gigabit LAN	Support Audio
IP-4MTI2H	Standard Product	Yes	Yes	Yes	Yes	Yes

I/O Shield Layout



IP-4MTI2H

Mechanical Drawing:



Block Diagram:

