

Full Size SBC

IP-4MTP2G

Intel® Pentium® M Processor based PICMG 1.0 SBC with VGA, LCD, Gigabit Ethernet, COM, USB & CF



Features

- Intel® Pentium® M / Celeron® M Processor in an mPGA478 Socket
- Intel® 855GME Chipset, 400 MHz FSB
- Supports DDR 266/333 Memory Architecture
- Integrated VGA/LVDS Function
- Support 10/100/1000Base-T Ethernet
- Two COM Ports, Four USB 2.0 Ports, CF socket

Specifications

System	
CPU	Intel® Pentium® M / Celeron® M processor in the μ -FCPGA 478 package
FSB	400 MHz
BIOS	Award BIOS with 4 Mb Flash EEPROM
System Chipset	Intel® 855GME & ICH4
I/O Chip	Winbond® W83627HG I/O Controller
System Memory	2 x 184-pin DIMM sockets support DDR 266/333 SDRAM Max. up to 2 GB memory
Storage	2 x Parallel ATA IDE port with UDMA 33, ATA-66/100 support
SSD	1 x ComactFlash Type I/II socket
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats.
MIO	
Internal I/O	1 x VGA, 1 x IrDA, 1 x Floppy, 1 x Parallel, 2 x RS-232, 4 x USB 2.0, 1x extend KB & Mouse
Bracket I/O	1 x DVI, 1 x RJ-45 , 1 x 6-pin Mini-DIN for PS/2 KB & Mouse
Display	
Graphics Controller	Intel® 855GME Extreme Graphic 2
Display Memory	Intel® DVMT 2.1 supports up to 64 MB video memory
Resolution	Analog display : up to 2048 x 1536 @ 75Hz (QXGA) LVDS display : up to 1600 x 1200 (UXGA)
VGA/LCD Interface	1 x DVI connector, 1 x VGA pin-header
LVDS	Dual channel (2x18-bit) LVDS
Audio	
Audio Interface	AC97 Interface reserved by pin-header (Audio card with bracket by option)

Ethernet

Controller	Intel® 82541PI Gigabit Ethernet controller
Ethernet Interface	IEEE 802.3 10BASE-T/100BASE-TX/1000BASE-T

Mechanical & Environmental

Power Requirement	+5 V @ 8 A, +12 V @ 1 A, -12 V @ 100 mA, 5 VSB @ 500 mA
Power Type	ATX power
FAN connector	1 x CPU, 1 x system (chassis)
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	10%~90% relative humidity, noncondensing
Size (L x W)	13.33" x 4.80" (338.5 mm x 122 mm)
Weight	0.84 lb (380 g)

Ordering Information

IP-4MTP2G: Intel® Pentium® M Processor based PICMG 1.0 SBC with VGA, LCD, Gigabit Ethernet, COM, USB & CF
IP-ALCS20: AC97 Audio Card

Drawing

