

Embedded Board

IP-4GMS3H-P1

Intel® Processor 1 GHz based 5.25" Embedded SBC
with Dual Display, Fast Ethernet, Audio, COM, USB, 1394 & CF



Kernel Specs

- Intel® Processor 1 GHz Onboard
- Intel® 852GM Chipset, 400 MHz FSB
- DDR 200/266 Memory Architecture
- Dual View Display by VGA/LVDS
- 10/100Base-TX Ethernet
- Four COM Ports, Six USB Ports, Two IEEE1394 Ports, CF Socket
- One PCI Slot
- Low Profile Heat Sink without Fan

Specifications

System	
CPU	Intel® Processor 1 GHz without L2 cache or Intel® Celeron® M processor ULV 600 MHz with 512K L2 cache
FSB	400 MHz
BIOS	Award BIOS with 4 Mb Flash EEPROM
System Chipset	Intel® 852GM + ICH4
I/O Chip	Winbond® W83627HG I/O controller
System Memory	1 x 200-pins SODIMM socket DDR 200/266 SDRAM Max. up to 1 GB memory
Storage	2 x Parallel ATA IDE ports with UDMA 33, ATA-66/100support (1 x 40-pin & 1 x 44-pin connectors)
SSD	1 x CompactFlash Type I/II socket (occupy IDE2 master)
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.
Expansion	1 x PCI slot (Riser interface for PCI Master)
MIO	
Internal I/O	3 x RS-232, 4 x USB 2.0
Back Panel I/O	1 x VGA, 1 x Audio, 1 x RJ-45, 1 x RS-232, 2 x USB, 2 x 1394, 1x PS/2 for KB & Mouse
Display	
Graphics Controller	Intel® 852GM 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 : up to 1600 x 1200 (UXGA)
Display Interface	DSUB-15 connector for VGA output
LVDS	Dual channel (2x18-bit) LVDS

Audio	
AC97 Codec	Realtek ALC655 5.1CH audio codec
Audio Interface	Line out, MIC phone jack, Line out pin header
Ethernet	
Controller	Intel® 82562GZ Ethernet controller
Ethernet Interface	IEEE 802.3 10Base-T/100Base-TX
Mechanical & Environmental	
Power Requirement	Onboard one 4-pins output power connector,support +5V, +12V
Power Type	Onboard one DC-IN power jack DC12V ~ 21V@5A
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	10%~90% relative humidity, noncondensing
Size (L x W)	8" x 5.75" (203 mm x 146 mm)
Weight	0.77 lb (350 g)

Ordering Information

IP-4MTS3H-P1: Intel® Processor 1 GHz based 5.25" Embedded SBC with Dual Display, Fast Ethernet, Audio, COM, USB, 1394 & CF

IP-4MTS3H-C6: Same as above, but with Intel® Celeron® M processor ULV 600 MHz with 512K L2 cache

Drawing

