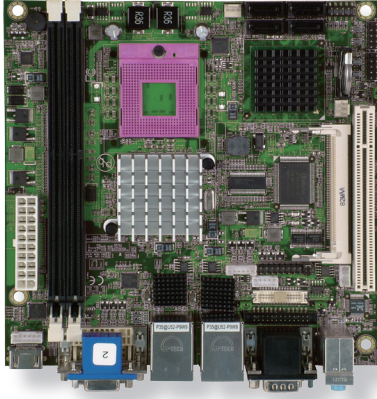




ITX-i45M2

Mini-ITX Socket P(Penryn/Merom) Intel Core™ 2 Duo, Celeron Processor Industrial Motherboard with CRT/LCD/DVI/TV-out/HDMI, Audio and Dual GbE LAN



◀ **New!!**

Features

- Highest Performance in Intel's Mobile Platforms
- Variety Video Interface for Vision Applications
- Additional Mini PCI Socket for PCI Expansion
- Highly Integrated Communication Interfaces
- Extended Operating Temp.: -20 ~ 70°C

System

CPU	Socket P(Penryn/Merom) Intel Core™ 2 Duo, Celeron processor Recommended: Penryn code processor (T9600/T9400) Merom code processor (T7500/T7300/T7100) Celeron processor (575/550/530)
Memory	2 x 240-pin DDRII DIMM 667/800MHz up 4GB
Chipset	Intel GM45 + ICH9M
BIOS	AMI Flash BIOS
ATA/IDE	4 x Serial ATA ports with 300MB/s HDD transfer rate
Watchdog Timer	255-level reset

I/O

Serial Port	1 x RS-232 port 1 x RS-232/422/485 selectable port
Parallel Port	SPP/EPP/ECP mode
USB Port	8 x USB 2.0 ports
KB/MS	1 x PS/2 Keyboard and Mouse (by 6-pin wafer)
Expansion Bus	1 x 32-bit/33MHz PCI slot 1 x Mini PCI socket
HDMI	1 x HDMI Type A connector
DVI	1 x DB24 female connector
GPIO	Onboard 8-bit GPIO 4 in/4 out

Ethernet

Chipset	2 x Realtek RTL8111B GbE LAN
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Audio

Codec/Interface	Realtek ALC888 Codec, support Mic-in/Line-in/Line-out (default w/o Line-in)
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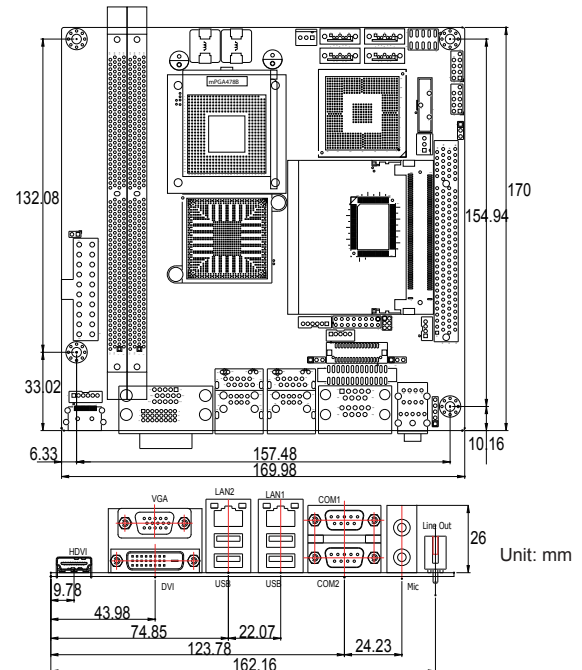
Display

Graphics Chipset	Intel Gen5.0 integrated graphics engine with 10 fully programmable cores
Graphics Interface	CRT support up to 1920 x 1440 LVDS support 24-bit up to 1920 x 1200 DVI support 12-bit up to 1600 x 1200 TV-out support NTSC/PAL up to 1024 x 768 Support HDMI up to 1600 x 1200 Dual independent display achievable up to 1600 x 1200

Mechanical & Environmental

Power Type	ATX 2.0 (ESP type, 20-pin)
Operating Temp.	-20~70°C (-4~ 158°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimensions (L x W)	170 x 170 mm (6.7" x 6.7")

Dimensions



Ordering Information

ITX-i45M2	Mini-ITX Socket P(Penryn/Merom) Intel Core™ 2 Duo, Celeron processor industrial motherboard with CRT/LCD/DVI/TV-out/HDMI, Audio and dual GbE LAN	Page 6-2
CBK-06-4500-00	Cable kit	
T9400	Intel Socket P Core™ 2 Duo 2.53G FSB1066MHz 6M Cache	
T7500	Intel Socket P Core™ 2 Duo 2.2G FSB800MHz 4M Cache	
Celeron 575	Intel Socket P Celeron 2.0G FSB667MHz 1M Cache	
Celeron 550	Intel Socket P Celeron 2.0G FSB533MHz 1M Cache	

All specifications are subject to change without notice.