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ITX –i45 M2

Mini-ITX Board for Intel Core™ 2 Duo
Socket P (Penryn/Merom)
Extended Temperature Range

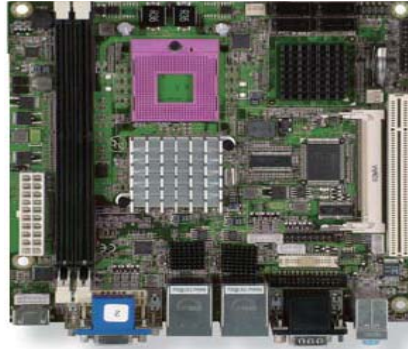


Pass. Mini-IPC Gehäuse



Features

- Penryn /Merom Intel Core™ 2 Duo & Celeron CPU - Socket P
- Intel GM45 + ICH9 Chipset
- FSB 667/1066 MHz
- Dual GB LAN
- LCD/TV HDMI / DVI Out



Specification

CPU Socket P (Penryn/Merom) Intel Core2Duo Celeron CPU
Penryn T-9600/T-9400
Merom T-7500/T-7300/T-7100
Celeron Code 575/550/530

FSB 667/1066 MHz

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

Audio

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

Display

Graphics Chipset Intel Gen5.0 integrated graphics engine with 10 fully programmable cores

Graphics Interface CRT support up to 2048 x 1536

LVDS support 24-bit up to 1600 x 1200

DVI support 12-bit up to 1024 x 768

TV-out support NTSC/PAL up to 1024 x 768

Support HDMI up to 1600 x 1200

Dual mode independent display

Mechanical & Environment

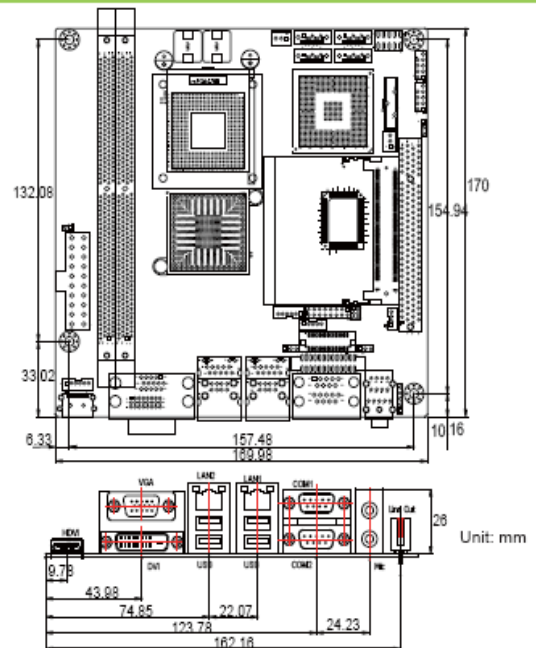
Power Type ATX 2.0 (ESP type, 20-pin)

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	
CBK-06-4500-00	Cable kit	Page 6-2
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	