

EmXTX-i945X

Intel® Core™ 2 Duo XTX™ CPU Module



Features

- Support Intel® Socket M Mobile Processors
- Dual Channels 18/24-bit LVDS, and Analog RGB
- Multi-expansion (2 x SATA, 1 x PATA, 6 x USB, 4 x PCI Masters, SDVO B/C Output Connector, 4 x PCIe x1 Lanes)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Core™ 2 Duo/Core™ Duo/Celeron® M processor up to 667MHz FSB
Memory	1 x 200-pin DDR2 SO-DIMM Socket supporting 400/533/667MHz SDRAM up to 2GB
Chipset	Intel® 945GME + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA ports with 150MB/s HDD transfer rate
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Winbond W83627HG
Serial Port	2 x COM ports (2 x RS-232 via PBE-1400)
Parallel Port	SPP/EPP/ECP mode selectable
USB Port	6 x USB 2.0 ports
KB/MS	PS/2 interface for Keyboard and Mouse (via PBE-1400)
Expansion Bus	4 x PCI and support up to 4 x PCIe x1 slots (via customized carrier board) or up to 3 x PCIe x1 slots (via PBE-1400)

Ethernet

Chipset	1 x Realtek 8103EL PCIe 10/100Base-T Ethernet controller
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Audio

CODEC/Interface	Realtek ALC655 6 Channel AC97 Audio Codec, Mic-in/Line-in/Line-out
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Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950 Analog RGB support up to 2048 x 1536 @60Hz
Graphics Interface	LCD: Dual channels 24-bit LVDS Support dual independent displays
SDVO Interface	Intel® compliant SDVO B/ C ports (serial DVO) 200 megapixel/sec, each supports external DVI, TV and LVDS transmitter (via customized carrier board or daughterboard)

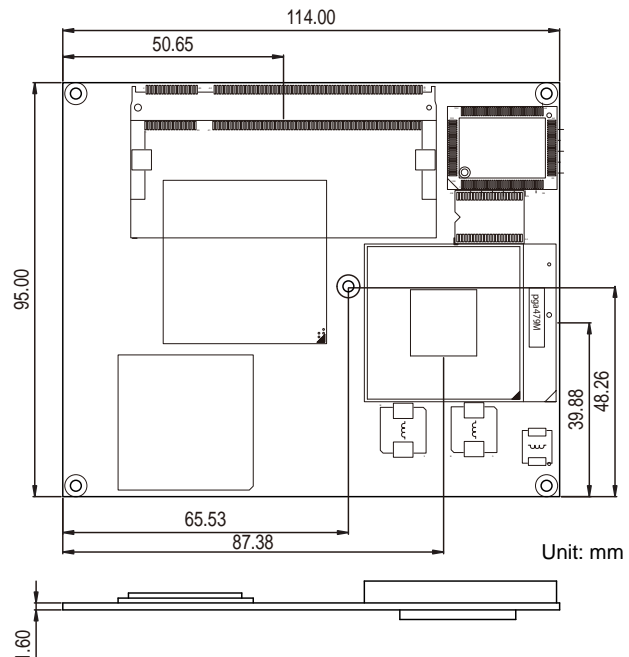
Recommended CPU List:

T7400 2.16GHz Core™ 2 Duo Processor
T2500 2.0GHz Core™ Duo Processor
530 1.73GHz Celeron® Processor
440 1.86GHz Celeron® M Processor

Mechanical & Environmental

Power Requirement	+5V, 5VSB
Power Consumption	4.9A/5V (T2300, 1.66GHz)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions



Ordering Information

EmXTX-i945X	Socket M Intel® Core™ 2 Duo/Core™ Duo/Celeron® M XTX™ CPU module
HS-0945-C1	Heatsink with fan for PGA CPU type (114 x 95.2 x 22.7 mm)
PBE-1400	XTX™ evaluation board in ATX form factor (cable kit included)