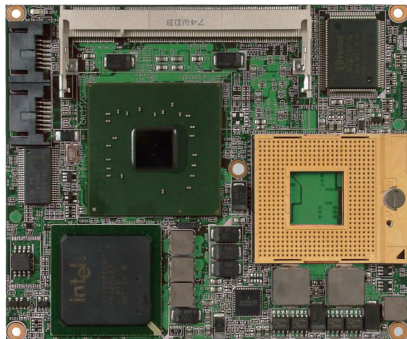




EmETX-i945M

Intel® Core™ 2 Duo ETX® CPU Module



ETX

Features

- Support Intel® Socket M Mobile Processors
- Dual Channels 24-bit LVDS, and Analog RGB
- Multi-expansion (2 x SATA on CPU Module, 1 x PATA, 4 x USB, 2 x Serial Ports, 4 x PCI Masters, ISA Bus)
- **Extended Operating Temp.:-20 ~ 70°C**

System

Processor	Intel® Core™ 2 Duo/Core™ Duo/Celeron® M CPU with 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 1 x Floppy disk drive shared with parallel port
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Winbond W83627HG
Serial Port	2 x COM ports (1 x RS-232, 1 x RS-232/422/485 selectable via PBE-1000)
Parallel Port	SPP/EPP/ECP mode
USB Port	4 x USB 2.0 ports
KB/MS	PS/2 interface for Keyboard and Mouse (via PBE-1000)
Expansion Bus	PCI (4 x PCI masters) and ISA bus

Ethernet

Chipset	1 x Intel® 82562ET 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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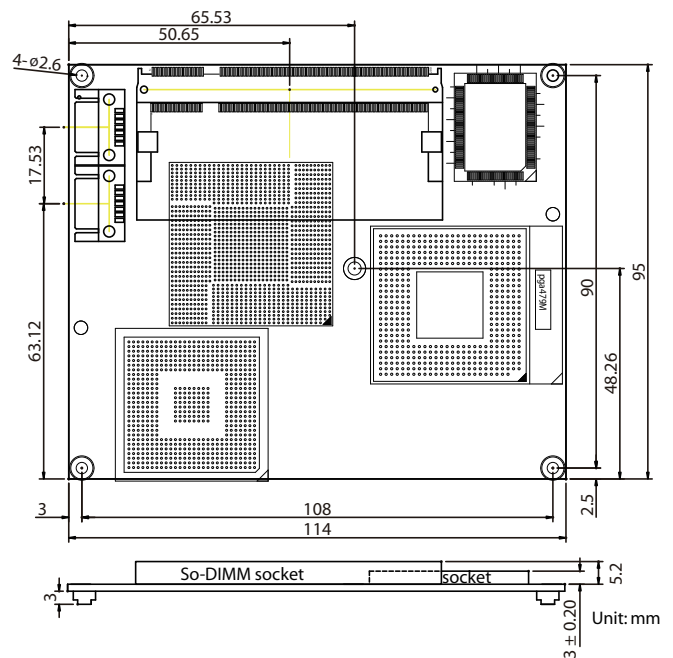
Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950
Graphics Interface	Analog RGB support up to 2048 x 1536 LCD: Dual Channels 24-bit LVDS Support dual independent displays

Mechanical & Environmental

Power Consumption	7.14A/5V with Intel® Core™ Duo T2400 1.83GHz
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

EmETX-i945M	Socket M Intel® Core™ 2 Duo/Core™ Duo/Celeron® M ETX® CPU module
HS-0945-C1	Heatsink with fan for PGA CPU type (116 x 96 x 16.7 mm)
HS-9102-C1	Heatsink with fan for BGA CPU type (116 x 96 x 32 mm)
PBE-1000 R2.1	ETX® evaluation board in ATX form factor Page 1-20
CBK-05-1000-00	Cable kit for PBE-1000 R2.1 1 x FDD cable 3 x COM port cables 1 x USB cable 2 x IDE cables 1 x TV-out cable

All specifications are subject to change without notice.