

ITX-i945EC

Intel® Socket M Core™ 2 Duo Embedded Mini-ITX Motherboard



Features

- Highly Integrated Video Function (Analog RGB/DVI/LVDS)
- Support Dual Independent Displays
- Supports PCI and Mini PCI Interface
- Supports CompactFlash Type II Storage Device
- Dual Gigabit Ethernet
- Rugged Design for Shock Protection
- Cost Effective
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Socket M Core™ Duo/Core™ 2 Duo/Celeron® M CPU with 533/667MHz FSB
Memory	2 x 200-pin Dual Channels DDR2 SO-DIMM Sockets supporting 400/533/667MHz SDRAM up to 4GB
Chipset	Intel® 945GME + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA 100 port 2 x Serial ATA ports with 150MB/s HDD transfer rate
Flash Disk	1 x CompactFlash Type II Socket
Watchdog Timer	1~255 levels reset

I/O

Serial Port	3 x RS-232 ports 1 x RS-422/485 selectable port
Parallel Port	SPP/EPP/ECP mode selectable
Floppy	1 x Floppy disk port (shared with LPT port)
USB Port	8 x USB 2.0 ports (one for gaming port)
KB/MS	2 x PS/2 interfaces for Keyboard and Mouse
Expansion Bus	1 x PCI slot 1 x Mini PCI socket

Ethernet

Chipset	2 x Realtek RTL8111 PCIe Gigabit Ethernet connectors
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Audio

CODEC/Interface	Realtek ALC655 AC97 6 Channel Audio Codec, Mic-in/Line-in/Line-out (default: Line-in is absent) Supports S/PDIF output
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Display

Graphics Chipset	Integrated with Intel® Graphics Media Accelerator 950 Analog RGB support up to 2048 x 1536
Graphics Interface	LCD support Dual Channels 24-bit LVDS up to 1600 x 1200 DVI support 10-bit up to 1600 x 1200

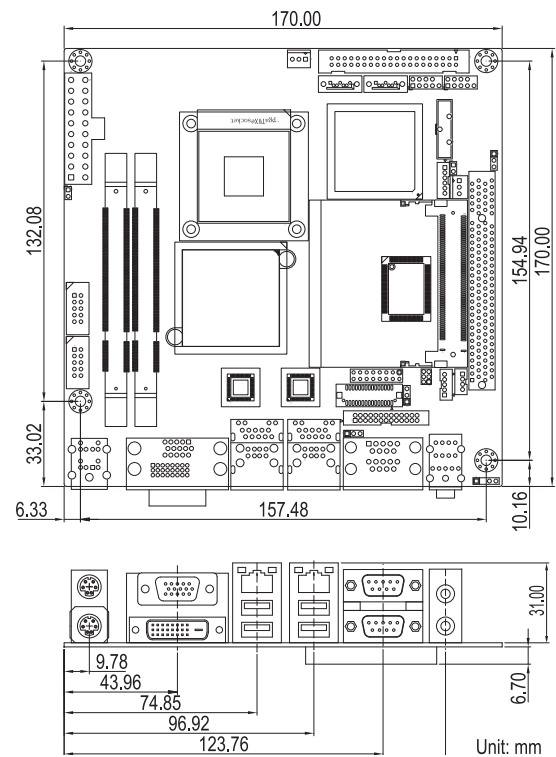
Recommended CPU List:

- 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 Connector	20-pin ATX connector
Power Consumption	1.89A/5.13V, 1.02A/3.34V, 2.24A/11.76V with Intel® Core™ 2 Duo T7400 2.16GHz
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-i945EC	Intel® Socket M Core™ 2 Duo embedded Mini-ITX motherboard
CBK-07-945E-00	Cable kit 1 x Two ports USB cable 1 x Two ports COM cable 1 x TV-out cable 1 x IDE Flat cable 1 x LPT to FDD cable 1 x LPT cable 1 x SATA cable

All specifications are subject to change without notice.