

ITX-i9453

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

Features

- Support Intel® Socket M Mobile Processors
- Support Analog RGB, DVI, and Dual Channels 18-bit LVDS (Dual Channels 24-bit LVDS Optional)
- Support Dual Independent Displays
- Dual Gigabit Ethernet
- Multi-expansion (2 x SATA Ports, 8 x USB 2.0 Ports, 2 x Serial Ports, PCIe x16)
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Intel® Socket M Core™ Duo/Core™ 2 Duo/Celeron® M Processor up to 667MHz FSB
Memory	2 x 240-pin Dual Channels DDR2 DIMM Sockets up to 4GB at 400/533/667MHz
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	1 x RS-232 port 1 x RS-232/422/485 selectable port
Parallel Port	SPP/EPP/ECP mode selectable
Floppy	1 x Floppy disk port (shared with LPT port)
IrDA	1 x SIR IrDA 1.1 compliant
USB Port	8 x USB 2.0 ports
KB/MS	1 x PS/2 interface for Keyboard and Mouse
Digital I/O	8-bit Digital Input/Output, 4 in/4 out
Expansion Bus	1 x PCIe x16 slot 1 x Mini PCI socket

Ethernet

Chipset	2 x Intel® 82573V PCIe Gigabit Ethernet controllers
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Audio

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

Graphics Chipset	Integrated with Intel® Graphics Media Accelerator 950 or expand via PCIe x16 lanes Analog RGB support up to 2048 x 1536
Graphics Interface	LCD support Dual Channels 18-bit LVDS up to 1280 x 800 (Dual Channels 24-bit LVDS optional) DVI support 10-bit support up to 1600 x 1200

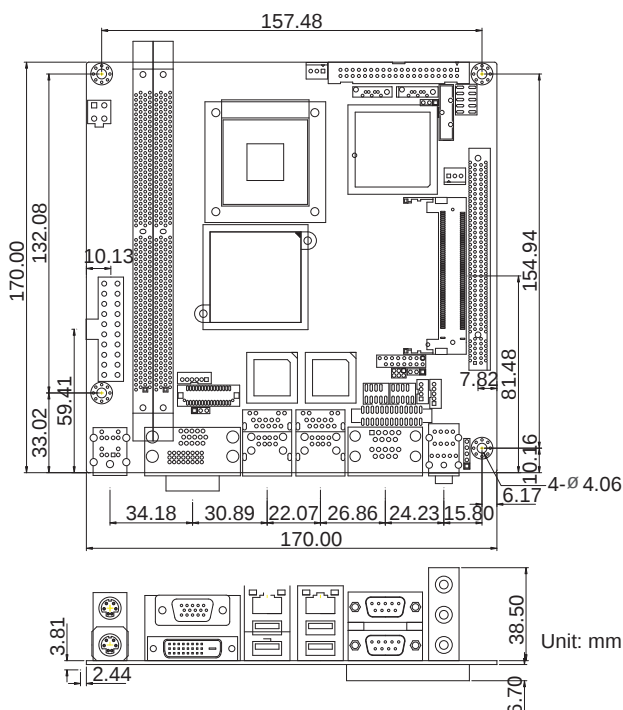
Recommended CPU List:

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+ 4-pin ATX connector
Power Consumption	1.13A/5.15V , 3.05A/12.2V with Intel® Core™ Duo T2500 2.0GHz
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-i9453VL2G	Intel® Socket M Core™ 2 Duo embedded Mini-ITX motherboard
CBK-07-7435-00	Cable kit 1 x IDE Flat cable 1 x Print cable 1 x SATA cable 2 x USB cables 1 x LPT to FDD cable 1 x KB & MS cable