

# 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

<b>CPU</b>	Intel® Socket M Core™ 2 Duo/Core™ 2 Duo/Celeron® M Processor up to 667MHz FSB
<b>Memory</b>	2 x 240-pin Dual Channels DDR2 DIMM Sockets up to 4GB at 400/533/667MHz
<b>Chipset</b>	Intel® 945GME + ICH7M
<b>BIOS</b>	Phoenix-Award PnP Flash BIOS
<b>Storage</b>	1 x Ultra ATA 100 port 2 x Serial ATA ports with 150MB/s HDD transfer rate
<b>Flash Disk</b>	1 x CompactFlash Type II Socket
<b>Watchdog Timer</b>	1~255 levels reset

## I/O

<b>Serial Port</b>	1 x RS-232 port 1 x RS-232/422/485 selectable port
<b>Parallel Port</b>	SPP/EPP/ECP mode selectable
<b>Floppy</b>	1 x Floppy disk port (shared with LPT port)
<b>IrDA</b>	1 x SIR IrDA 1.1 compliant
<b>USB Port</b>	8 x USB 2.0 ports
<b>KB/MS</b>	1 x PS/2 interface for Keyboard and Mouse
<b>Digital I/O</b>	8-bit Digital Input/Output, 4 in/4 out
<b>Expansion Bus</b>	1 x PCIe x16 slot 1 x Mini PCI socket

## Ethernet

<b>Chipset</b>	2 x Intel® 82573V PCIe Gigabit Ethernet controllers
----------------	---

## Audio

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

## Display

<b>Graphics Chipset</b>	Integrated with Intel® Graphics Media Accelerator 950 or expand via PCIe x16 lanes Analog RGB support up to 2048 x 1536
<b>Graphics Interface</b>	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

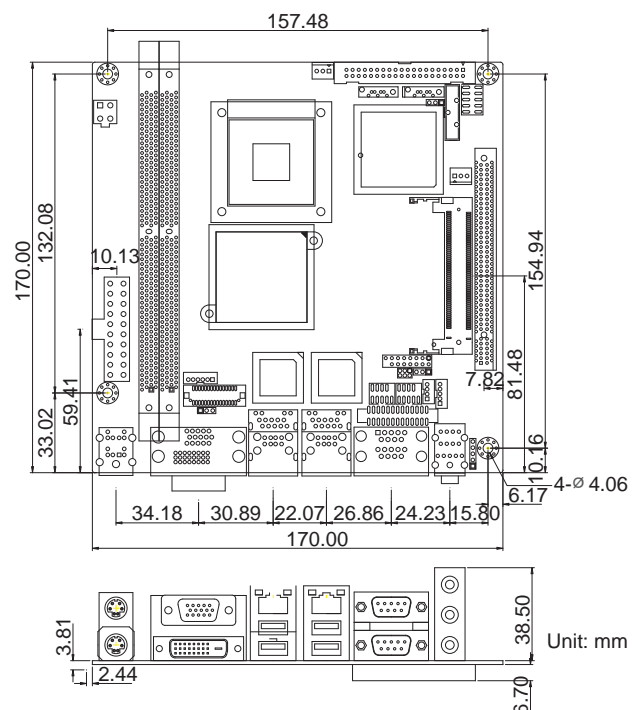
### Recommended CPU List:

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

## Mechanical & Environmental

<b>Power Connector</b>	20-pin+ 4-pin ATX connector
<b>Power Consumption</b>	1.13A/5.15V , 3.05A/12.2V with Intel® Core™ Duo T2500 2.0GHz
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	0 ~ 95% (non-condensing)
<b>Dimensions (L x W)</b>	170 x 170 mm (6.7" x 6.7")

## Dimensions



## Ordering Information

<b>ITX-i9453VL2G</b>	Intel® Socket M Core™ 2 Duo embedded Mini-ITX motherboard
<b>CBK-07-7435-00</b>	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