



# HiCORE-i35Q

Intel Core™ 2 Quad/Core™ 2 Duo LGA775 Full-size SBC with VGA, SATA and GbE LAN

◀ New!!

## Features

- Intel Core™ 2 Quad/Core™ 2 Duo LGA775 Processor FSB 800/1066/1333MHz
- DDRII DIMM 667/800MHz up to 4GB
- 2 x SATA Ports, 1 x PATA Port, 1 x GbE LAN Port
- PICMG 1.0 Specification
- Support ISA from PCI Bridge IT8888G
- 1 x RS-232 Port, 1 x RS-232/422/485 Port, 12 x USB 2.0 Ports
- 1 x VGA Connector
- Watchdog Timer & Hardware Monitoring Function, TPM Function via LPC Connector



## System

<b>CPU</b>	Socket LGA775 for Intel Core™ 2 Quad/Core™ 2 Duo LGA775 Processor FSB800/1066/1333MHz
<b>Memory</b>	2 x 240-pin DDRII DIMM 667/800MHz up to 4GB
<b>Chipset</b>	Intel Q35 + ICH9
<b>BIOS</b>	AMI PnP Flash BIOS
<b>ATA/IDE</b>	2 x Serial ATA ports with 300MB/s HDD transfer rate 1 x Ultra ATA 33/66/100 port, supports 1 IDE device
<b>TPM1.2</b>	Support TPM daughterboard via connector
<b>Watchdog Timer</b>	255-level reset

## I/O

<b>Serial Port</b>	1 x RS-232 port 1 x RS-232/422/485 selectable port
<b>Floppy</b>	1 x Floppy disk drive
<b>USB Port</b>	12 x USB 2.0 ports
<b>Super I/O</b>	ITE- IT8718F
<b>Digital I/O</b>	4 in/4 out
<b>KB/MS</b>	1 x 6-pin Mini-DIN connector for Keyboard and Mouse (PS/2 standard via Y-cable)

## Ethernet

<b>Chipset</b>	1 x Realtek 8111B PCIe 10/100/1000 base-T Ethernet
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## Audio

<b>Codec/Interface</b>	One 1 x 9 wafer connector for Audio daughterboard
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## Display

**Graphics Chipset** Integrated with Intel Graphics Media Accelerator (GMA3100)

## Mechanical & Environmental

<b>Power Consumption</b>	3.74A/5V, 5.13A/12V (Max.) (Core™ 2 Quad CPU Q6600 2.40GHz)
<b>Power Connector</b>	4-pin ATX12V type
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	0 ~ 95% (non-condensing)
<b>Dimensions (L x W)</b>	338 x 122 mm (13.3" x 4.8")

## Ordering Information

<b>HiCORE-i35Q</b>	Intel Core™ 2 Quad/Core™ 2 Duo LGA775 full-size SBC with VGA, SATA and GbE LAN	
<b>FCDB-1111</b>	Realtek ALC888 HD Audio daughterboard	Page 6-6
<b>PICMG 1.0 Passive Backplane Series</b>		Page 12-15

All specifications are subject to change without notice.

Computer on Module

Embedded Motherboard

Slot Computing

Industrial Motherboard

Wide Temperature

Cable Kit / Cooling Kit / SBC Daughter Board / Power Converter

Rugged Tablet PC

HMI / HMC

Box PC

Mobile DVR

Network Communication Appliance

Industrial Chassis / Backplane Power supply