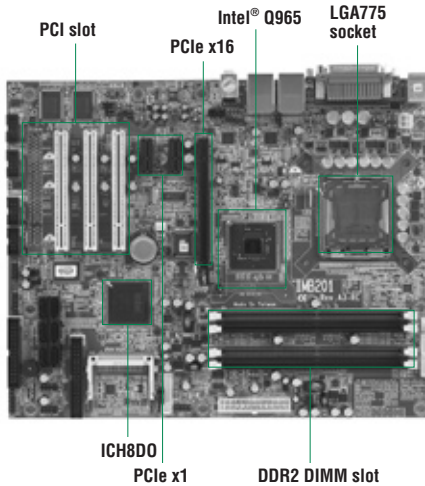


# IMB201

LGA775 Intel® Core™2 Duo ATX Industrial Motherboard

# 3

Single Board Computers



## System

CPU	LGA775 socket for Intel® Core™2 Duo/Pentium® D/ Pentium® 4/Celeron® D desktop processor with FSB 533/800/1066 MHz
System Memory	4 x 240-pin DDR2 533/667/800 DIMM max.up to 8GB
Chipset	Intel® Q965+ICH8-DO
BIOS	Phoenix-Award BIOS
SSD	CompactFlash™ type II socket (for IMB201VGGF only)
Watchdog Timer	Reset supported , 1-255 levels
Expansion Interface	One PCIe x16 slot Two PCIe x1 slots Four 32-bit PCI slots (for IMB201VGG only)
Size	305 x 244mm
Temperature	Operating temperature: 0° to 60°C (differentiated by CPU)
Operation Humidity	10%~95% relative humidity, non-condensing

## I/O

MIO	1 x FDD, 1 x K/B+M/S, 3 x RS-232, 1 x RS-232/422/485, 1 x LPT
Digital I/O	4 channel IN and 4 channel OUT
Dual Ethernet	Realtek RTL8111B for Gigabit Ethernet
Audio	Line-out, MIC-in
USB	10 USB 2.0 ports
Firewire	Dual IEEE 1394a port (for IMB201VGGF only)
SATA	Six 3Gb/s SATA ports with RAID 0/1/5 supported

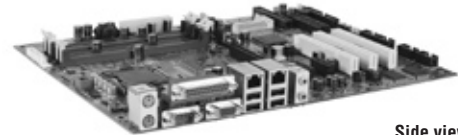
## Display

Chipset	Integrated in Intel® Q965 GMCH (Intel® GMA300)
Memory Size	Max.up to 256MB frame buffer sharing system memory
Resolution	Up to 2048 x 1536 at 75Hz refresh

## Features



- ▶ LGA775 socket Intel® Core™2 Duo/Pentium® D/ Pentium® 4/Celeron® D desktop processor with FSB 533/800/1066 MHz
- ▶ Intel® Q965+ICH8-DO chipset
- ▶ Four DDR2 DIMM slots support 8GB memory capacity
- ▶ Six Serial ATA ports support data transfer rate up to 3Gb/s with RAID 0/1/5
- ▶ 4 32-bit PCI, 2 PCIe x1, and 1 PCIe x16 slots
- ▶ Supports EIDE, dual 1394a IEEE function (for IMB201V2GF only)



Side view

## Packing List

Standard			
Quick manual, utility CD, jumper pack x 1, I/O shield x 1, IEEE 1394 cable x 1			
Cable			
Part Number	Description	IMB201VGGAF Qty	IMB201VGGGA Qty
594F2012900E	2 ports of IEEE1394a cables w/ bracket 2.54-pitch	1	
59380402010E	COM port cable w/ bracket	1	1
59381400000E	FDD flat cable	1	
59382601000E	Ultra DMA66 IDE cable 40-pin 455mm	1	
593826A0000E	SATA signal cable 500mm	1	1
593836A0030E	SATA power cable 150mm	1	

## Ordering Information

Standard	
IMB201VGGAF	LGA775 socket Intel® Core™2 Duo ATX Industrial M/B with VGA, audio, dual Gigabit LAN, EIDE, IEEE 1394a
IMB201VGGGA	LGA775 socket Intel® Core™2 Duo ATX Industrial M/B with VGA, audio, dual Gigabit LAN
Optional	
E9C900B001	LGA775 P4 cooler 3 Pin H:66.8mm (RC)
593826A0000E	SATA signal cable 500mm (Red RC)
593836A0030E	4-pin power cable to SATAx2 L=150mm (RC)
5938A808010E	2-port USB cable (190mm)

SBC Services and Solutions

System-on-a-Module Solutions

Embedded Single Board Computers

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix