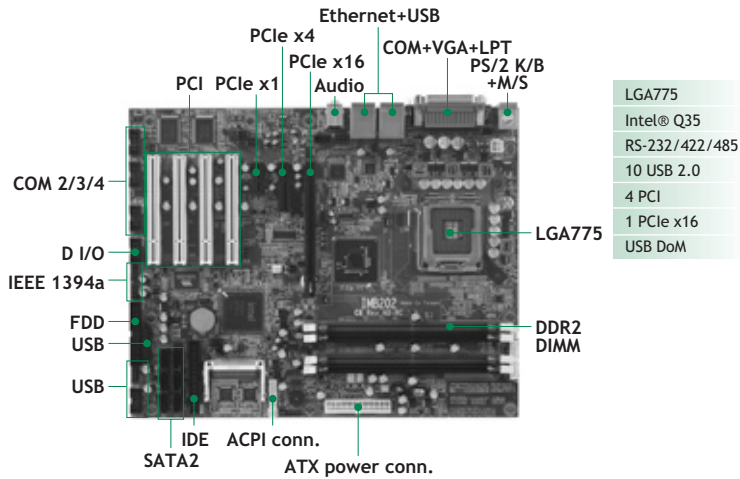


IMB202

LGA775 Intel® Core™2 Quad ATX Industrial Motherboard with Intel® Q35+ICH9-DO Chipset, Dual LANs and Audio



System

CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo/ Celeron® processor with 800/1066/1333 MHz MT/s
System Memory	4 x 240-pin DDR2-533/667/800 DIMM max. up to 8GB
Chipset	Intel® Q35+ICH9-DO
BIOS	Phoenix-Award BIOS
SSD	1 x CompactFlash™ type-II (optional)
Watchdog Timer	255 levels, 0-255 sec.
Expansion Interface	1 x PCIe x16 1 x PCIe x4 (refer to user's manual for setting) 1 x PCIe x1 (refer to user's manual for setting) 4 x PCI slots
Battery	Lithium 3V/196mAH
Size	305 x 244mm
Temperature	0° C ~ +60° C (32° F ~ 140° F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

I/O

MIO	1 x IDE; PATA-100 (optional) 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x RS-232/422/485 (COM 1); with +5V/+12V powered
SATA	6 x SATA-300 with RAID 0/1/10/5
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	* 1st port as 10/100/1000 Mbps supports Wake-on-LAN with Realtek RTL8111B * 2nd port as 10/100/1000 Mbps supports Wake-on-LAN with Intel 82566DM
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC888
USB	12 x USB 2.0; 4 ports on the rear I/O, 6 ports with pin-headers
Firewire	2 x IEEE 1394a ports (optional)
SMBus	N/A
Digital I/O	8 channel IN/OUT

Features

- LGA775 for Intel® Core™2 Quad/Core™2 Duo/ Celeron® processor with 800/1066/1333 MHz MT/s
- Intel® Q35+ICH9-DO chipset
- 4 DDR2-533/667/800 DIMM supports up to 8GB
- 6 Serial ATA ports support data transfer rate up to 3Gb/s with RAID 0, 1, 10 and 5



▲ Side view

Display

Chipset	Intel® Q35 GMCH 3100 integrated graphics engine; support Microsoft DirectX 9
Memory Size	Max. up to 256MB frame buffer dedicated memory & DVMT up to 256MB
Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * SDVO each ports up to 1920 x 1200 @ 60 Hz
Output Interface	VGA with D-Sub 15-pin connector

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	IMB202VGGA Qty
59380402010E	COM port cable w/ bracket	1
593826A0000E	SATA signal cable 500mm	1

Ordering Information

Standard	
IMB202VGGA	LGA775 socket ATX industrial M/B with VGA, (P/N: E38F202101) 2 10/100/1000Mbps, audio and RAID
Optional	
IMB202VGGAF	LGA775 socket ATX industrial M/B with VGA, (P/N: E38F202100) 2 10/100/1000Mbps, audio, RAID and firewire
593836A0030E	4-pin power cable to SATA x 2 L=150mm
5938A808010E	2 x USB port cable L=190mm

* All specifications and photos are subject to change without notice.

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs > 5.25" Petit

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix