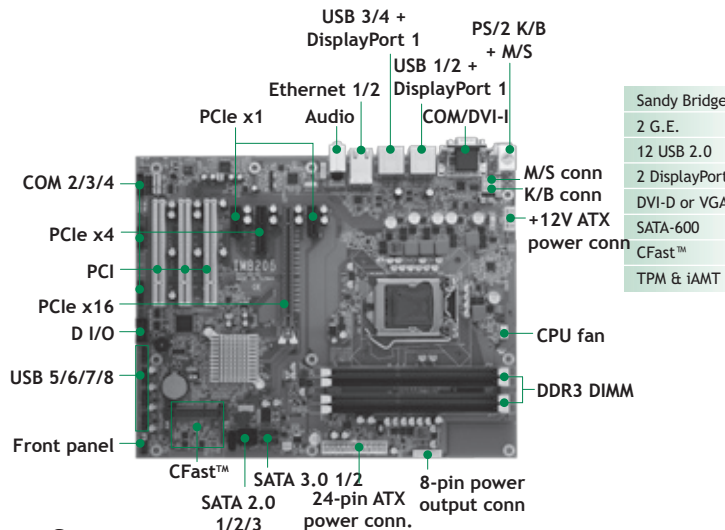


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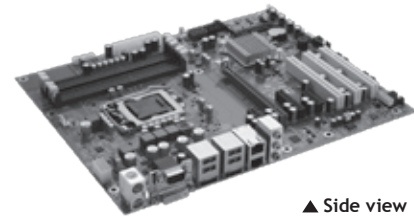
LGA1155 Socket Intel® Core™ i7/ i5/ i3 ATX Industrial Motherboard with Intel® Q67 PCH Chipset, DVI-I/DisplayPort, Dual LAN and CFast™



Sandy Bridge
2 G.E.
12 USB 2.0
2 DisplayPort
DVI-D or VGA
SATA-600
CFast™
TPM & iAMT

Features

- LGA1155 socket 2nd Generation Intel® Core™ i7/ i5/ i3 processors (Sandy Bridge)
- 4 DDR3-1066/1333 DIMM support up to 16 GB
- Dual View (2 x DisplayPort + 1 x DVI-D or VGA)
- PCIe Gen. 2 at 5GT/s
- SATA-600 supported
- 12 USB 2.0 ports supported
- CFast™ supported
- TPM supported
- iAMT 7.0 supported



▲ Side view

System

CPU	LGA1155 socket for 2 nd Generation Intel® Core™ i7/ i5/ i3 processors (Sandy Bridge)
System Memory	4 x 240-pin DIMM supports DDR3-1066/1333 max. up to 16 GB
Chipset	Intel® Q67 PCH
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCIe x16 Gen. 2 (slot 2) 1 x PCIe x4 Gen. 2 2 x PCIe x1 Gen. 2 3 x PCI
Battery	Lithium 3 V/220 mA
Power Requirements	Intel® Quad core CPU, 8 GB DDR3, Max. RMS 12V @ 2.4A, +5V @ 1.6A, +3V @ 1.6A, 5V_SB @ 0.2A.
Size	305 x 244 mm
Board Thickness	1.6 mm
Temperature	0°C - +60°C (32°F - 140°F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
SATA	2 x SATA-600 & 3 x SATA-300 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/system temperature, voltage and support Smart fan control
Ethernet	1st port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM, iAMT with Intel® 82579LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662 speaker-out with 1W/8ohm x 2
USB	12 x USB 2.0 port
TPM	Infineon SLB9635 for trusted platform
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels (4-IN & 4-OUT)

Display

Chipset	Intel® HD 2000/3000 Graphics
Memory Size	Max. 1.7 GB
Display Interface	2 x DP 1 x DVI-I

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
593826A0000E	SATA signal cable 500mm	1
59380502000E	COM+printer cable w/ braket	1

Ordering Information

Standard	
IMB206DGGGA	LGA1155 socket ATX industrial M/B with DisplayPort/DVI-I, 2 10/100/1000Mbps Ethernet, RAID and HD audio

* Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

SBC Services and Solutions

System on Modules

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Nano-ITX

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix