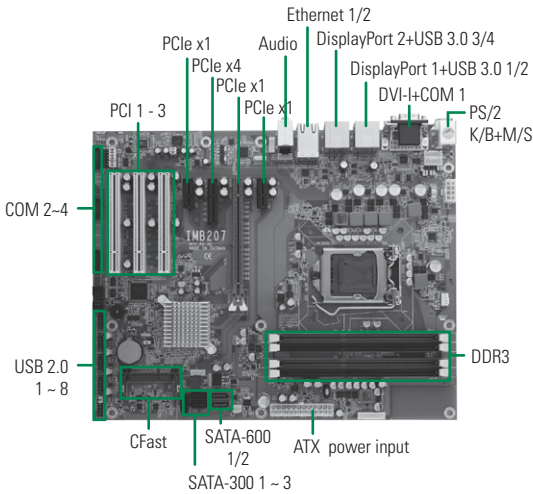


# IMB207

ATX Industrial Motherboard with LGA1155 Socket Intel® Core™ i7/i5/i3 & Celeron®, Intel® Q77, USB 3.0, DisplayPort/DVI-I, Dual LANs and CFast™



## System

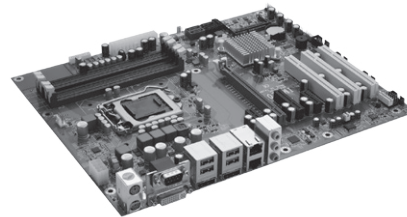
CPU	LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
System Memory	4 x 240-pin DIMM support DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® Q77
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 Gen. 3 (Slot 2) 1 x PCIe x4 Gen. 2 2 x PCIe x1 Gen. 2 3 x PCI
Battery	Lithium 3 V/220 mAh
Power Requirements	Intel® Core™ i7-3770K 3.5 GHz, 8 GB DDR3 1600 x 1 +5V @ 2.2A, +12V @ 7.1A, -12V @ 0.2A, +5VSB @ 0.2A, +3.3V @ 1.4A
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 & 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	4 x USB 3.0 8 x USB 2.0
TPM	Infineon SLB9635 for trusted platform
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels (4-IN & 4-OUT)

## Features

- LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
- 4 DDR3-1333/1600 DIMM up to 32 GB
- 2 DisplayPort and 1 DVI-I with triple view supported
- PCIe Gen. 3 supported
- 2 SATA-600, 3 SATA-300 with RAID 0/1/5/10
- 4 USB 3.0 ports
- TPM 1.2 supported
- Intel® AMT 8.0 supported



▲ Side view

## Display

Display Chipset	Intel® HD 4000/2500 Graphics
Memory Size	Max. 1.7 GB
Display Interface	2 x DisplayPort 1 x DVI-I

## Packing List

User's manual/utility CD, cable

## Ordering Information

Standard	
IMB207	ATX industrial motherboard with LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 & Celeron®, USB 3.0, dual GbE LANs, DisplayPort/ DVI-I, 4 COM and CFast™

SBC Services and Solutions

Systems on Modules

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Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

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Industrial Motherboards

Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix