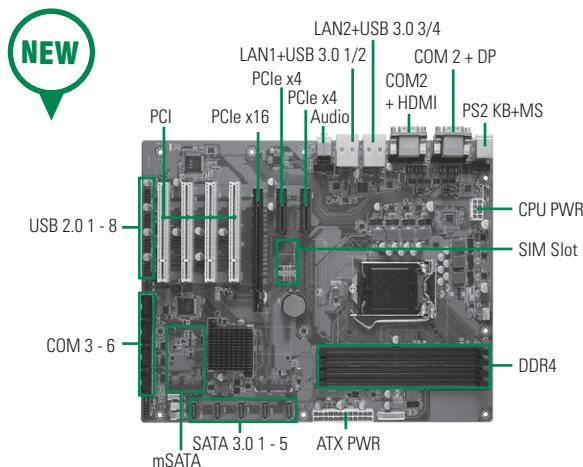


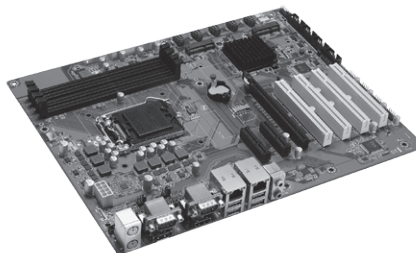
IMB500

ATX Industrial Motherboard with LGA1151 Socket 6th Generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® Processor, Intel® Q170, DDR4, USB 3.0, SATA 3.0, Dual LANs, VGA/DP/HDMI and mSATA



Features

- LGA1151 socket 6th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor (Skylake)
- 4 DDR4- 2133/1866 SO-DIMM max. up to 64 GB
- DisplayPort, HDMI, and VGA with triple view supported
- 5 SATA-600 RAID 0/1/5/10
- 4 USB 3.0 and 8 USB 2.0 ports
- mSATA supported
- PCI Express Mini Card



▲ Side view

System

CPU	LGA1151 socket 6th generation Intel® Core™ i7/i5/i3, Pentium® & Celeron® processor
System Memory	4 x 288-pin DIMM DDR4-2133/1866 max. up to 64 GB
Chipset	Intel® Q170
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 slot 2 x PCIe x4 slot 4 x PCI slot 1 x PCI Express Mini Card 1 x SIM slot
Battery	Lithium 3 V/ 220 mAh
Size/Weight	305 x 244 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Display

Chipset	Intel® HD Graphics 530/510
Memory Size	TBD
Display Interface	1 x DisplayPort 1 x HDMI 1 x VGA (Internal box header)

I/O

MIO	1 x PS/2 keyboard & mouse 4 x RS-232 (Internal box header) 2 x RS-232/422/485; (Rear IO)
SATA	5 x SATA-600 with RAID 0/1/5/10 1 x mSATA
Hardware Monitoring	Detect CPU/system temperature, voltage and supports Smart fan control
Ethernet	1st port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM, iAMT with Intel® i219LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 3.0 8 x USB 2.0
TPM	N/A
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels programmable

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

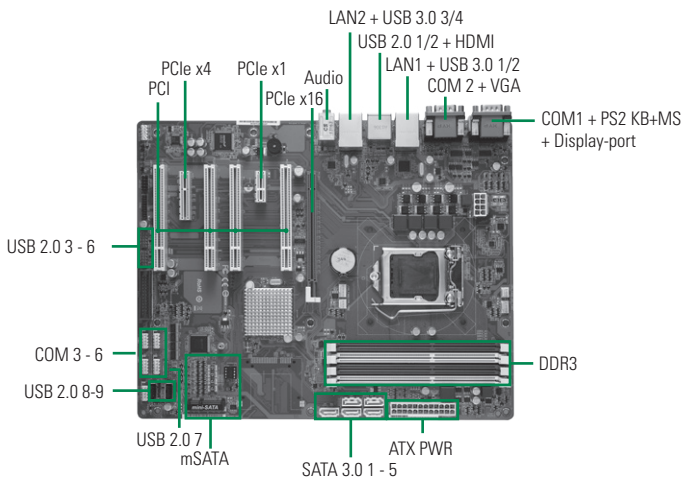
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Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

IMB211

ATX Industrial Motherboard with LGA1150 Socket 4th Generation Intel® Core™ i7/i5/i3 & Celeron®, Intel® Q87, USB 3.0, SATA 3.0, Dual LANs, DP/VGA/HDMI and mSATA



System

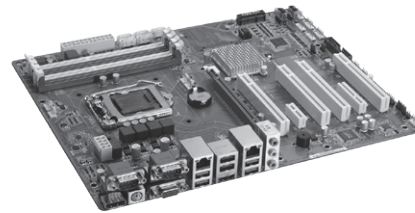
CPU	LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell)
System Memory	4 x 240-pin DIMM support DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® Q87
BIOS	AMI UEFI BIOS whit OA 3.0 built
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 Gen. 3 slots 1 x PCIe x4 Gen. 2 1 x PCIe x1 Gen. 2 4 x PCI 1 x mSATA
Battery	Lithium 3 V/220 mAh
Power Requirements	i7-4770S 3.1GHz 8 GB x 4 DDR3-1600, +12V @ 5.3A, -12V @ 0.1A, +5V @ 2.7A, +5VSB @ 0.2A, +3.3V @ 0.8A
Size	305 x 244 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1x PS/2 keyboard & mouse 4 x RS-232 (Internal box header) 2 x RS-232/422/485 (Rear IO)
SATA	5 x SATA-600 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® i210 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i217LM
Audio	HD Codec audio as MIC-in/Line-in/Line-out
USB	4 x USB 3.0 10 x USB 2.0 (2 in rear IO, 6 with pin header and 2 vertical type conn)

Features

- LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 and Celeron® processor (Haswell)
- 4 DDR3-1333/1600 DIMM max. up to 32 GB
- DisplayPort, HDMI, VGA with triple view supported
- PCIe x16 Gen. 3 supported
- 5 SATA-600 with RAID 0/1/5/10
- 4 USB 3.0 ports
- Intel® AMT 9.0 supported



▲ Side view

I/O

TPM	N/A
SMBus	N/A
Digital I/O	8 channels programmable

Display

Display Chipset	Intel® HD Integrated Graphics
Memory Size	TBD
Display Interface	1 x DisplayPort 1 x HDMI 1 x VGA

Packing List

I/O Bracket

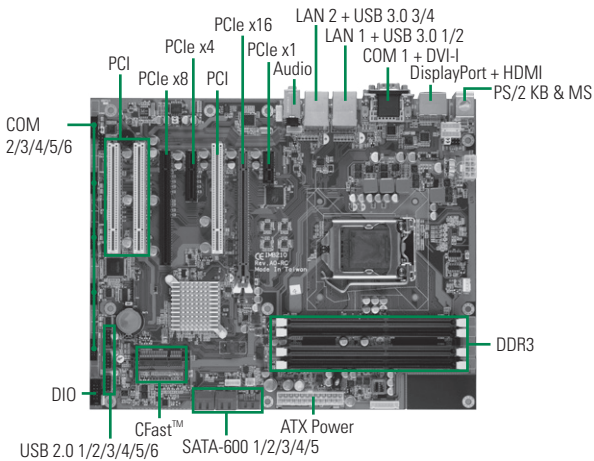
Ordering Information

Standard	
IMB211	ATX industrial motherboard with LGA1150 socket Intel® Core™ i7/i5/i3 & Celeron® USB 3.0, SATA 3.0, Dual GbE LANs, DisplayPort/VGA/HDMI and mSATA

Optional	
59460642100E	COM port cable, 5X2P, P=2.54 mm, L=300 mm
593826A000E	SATA signal cable, L=500 mm
594F2112100E	COM port DB9 to 5x2P P=2.54 L30cm w/BK
594F2112110E	COM port x 2 DB9 to 5x2P P=2.54 L30cm w/BK
593F2040300E	LPT cable w/bracket, P=2.54 mm, L=300 mm

IMB210

ATX Industrial Motherboard with LGA1150 Socket Intel® Xeon® E3-v3, Core™ i7/i5/i3, Pentium® & Celeron®, Intel® C226, ECC DDR3, USB 3.0, SATA 3.0, Dual LANs, DP/DVI-I/HDMI and CFast™



System

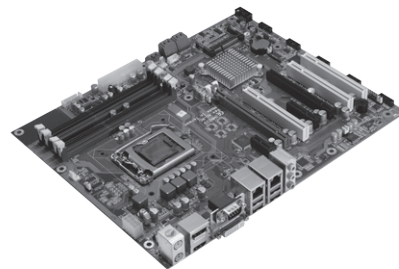
CPU	LGA1150 socket 4th generation Intel® Xeon® E3-v3, Core™ i7/i5/i3, Pentium® and Celeron® processor (Haswell/ Haswell Refresh)
System Memory	4 x 240-pin DIMM support ECC DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® C226
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels
Expansion Interface	2 x PCIe x16 Gen. 3 slots (1 PCIe x16 or 2 PCIe x8 when use dual PCIe x8 concurrently) 1 x PCIe x4 Gen. 2 1 x PCIe x1 Gen. 2 3 x PCI
Battery	Lithium 3 V/220 mAh
Power Requirements	E3-1275V3 3.5GHz DDR3, 2GB 1333 +5V @ 1.7A, +12V @ 0.55A, +5V SBY @ 0.12A, +3.3V @ 0.73A
Size	305 x 244 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard & mouse 5 x RS-232 (Internal box header) 1 x RS-232/422/485 (Rear IO)
SATA	5 x SATA-600 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® i217LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662 speaker-out with 1W/Bohm x 2
USB	4 x USB 3.0 6 x USB 2.0

Features

- LGA1150 socket Intel® Xeon® E3-v3, Core™ i7/i5/i3, Pentium® & Celeron® (Haswell/ Haswell Refresh)
- Intel® C226
- 4 DDR3-1333/1600 DIMM max. up to 32 GB
- DisplayPort, HDMI, DVI-I with triple view supported
- PCIe x16 Gen. 3 supported
- 5 SATA-600 with RAID 0/1/5/10
- 4 USB 3.0 ports
- TPM 1.2 supported
- Intel® AMT 9.0 supported



▲ Side view

I/O

TPM	Infineon SLB9635 for trusted platform
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels (4-IN & 4-OUT)

Display

Display Chipset	Intel® HD Integrated Graphics
Memory Size	Max. up to 1.7 GB
Display Interface	1 x DisplayPort 1 x HDMI 1 x DVI-I

Packing List

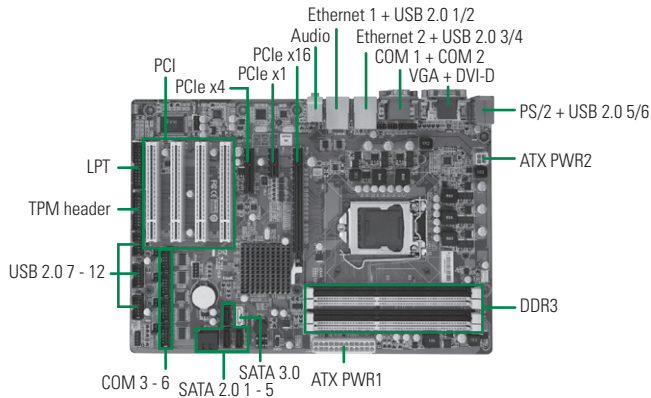
User's manual/utility CD, cable

Ordering Information

Standard	
IMB210	ATX industrial motherboard with LGA1150 socket Intel® Xeon® E3-v3, Core™ i7/i5/i3, Pentium® & Celeron® (Haswell/ Haswell Refresh) ECC DDR3, USB 3.0, SATA3.0, dual GbE LANs, DP/DVI-I/HDMI and CFast™

IMB204

ATX Industrial Motherboard with LGA1155 Socket Intel® Core™ i7/i5/i3 & Celeron® Intel® B75, SATA3.0, Dual LANs, DVI-D/ VGA and LPT



System

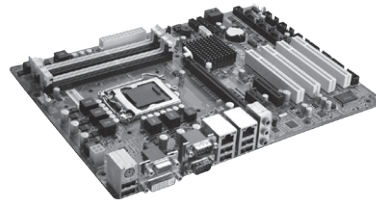
CPU	LGA1155 socket Intel® Core™ i7/i5/i3 & Celeron® processor
System Memory	4 x 240-pin DIMM support non-ECC DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® B75
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels
Expansion Interface	1 x PCIe x16 Gen. 3 1 x PCIe x4 Gen. 2 1 x PCIe x1 Gen. 2 4 x PCI
Battery	Lithium 3 V/ 220 mAh
Power Requirements	i5-2320 3.0GHz 2 GB x 4 DDR3-1333, +12V @ 7.06A, +5V @ 10.21A, +5VSB @ 0.02A, +3.3V @ 1.25A
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 5 x RS-232 (COM 2/3/4/5/6) 1 x RS-232/422/485 (COM 1) 1 x LPT 1 x TPM header
SATA	1 x SATA-600 & 5 x SATA-300
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® 82574LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® 82579V
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC892
USB	12 x USB 2.0
TPM	Support TPM1.0 header
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
- 4 DDR3-1333/1600 DIMM support up to 32 GB
- VGA and DVI-D with dual view supported
- PCIe Gen. 3 supported
- 1 SATA-600 and 5 SATA-300
- 12 USB 2.0 ports
- TPM 1.0 header support



▲ Side view

Display

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

Packing List

Standard

User's manual/utility CD cable, I/O bracket

Ordering Information

Standard

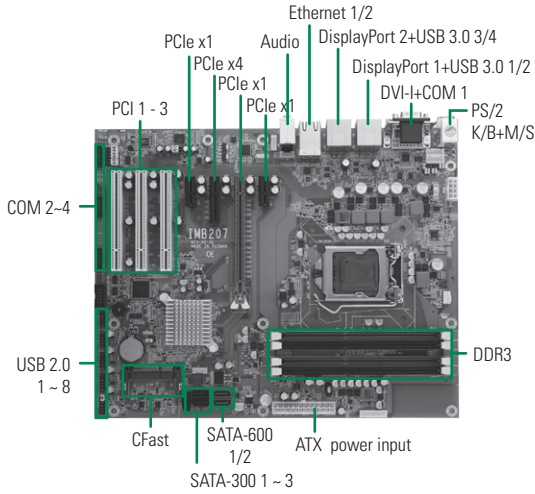
IMB204	ATX industrial motherboard with LGA1155 socket Intel® Core™ i7/i5/i3 & Celeron® dual GbE LANs, DVI-D/VGA, 6 COM and LPT
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Optional

59460642100E	COM port cable, 5 x 2P, P=2.54 mm, L=300 mm
593F2040300E	LPT cable, w/ bracket, P=2.54 mm, L=300 mm
594F2112100E	COM port DB9 to 5x2P, P=2.54 mm, L=300 mm w/BK
594F2112110E	COM port x2 DB9 to 5x2P, P=2.54 mm, L=300 mm w/BK

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

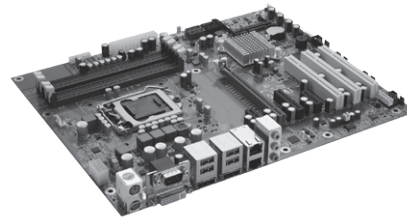
CPU	LGA1155 socket 3rd generation Intel® Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
System Memory	4 x 240-pin DIMM support DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® Q77
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 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

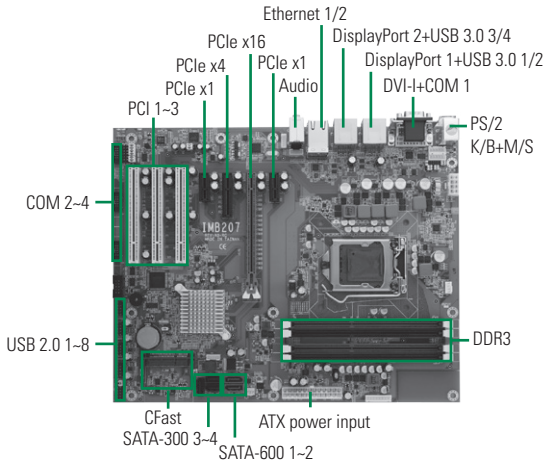
User's manual/utility CD, cable

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™

IMB208

ATX Industrial Motherboard with LGA1155 Socket Intel® Core™ i7/i5/i3 & Celeron® Intel® C216, USB 3.0, DisplayPort/DVI-I (VGA), Dual LANs and CFast™



System

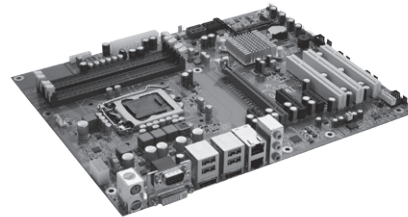
CPU	LGA1155 socket 3rd generation Intel® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
System Memory	4 x 240-pin DIMM support ECC DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® C216
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	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	E3-1275V2 3.5 GHz DDR3, 8 GB 1600 x 1 +5V@2.8A, +12V@9.3A, -12V@0.4A, +5VSB@0.4A, +3.3V@2.1A
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® 82574L
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® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
- 4 DDR3-1333/1600 DIMM up to 32 GB
- 2 DisplayPort and 1 DVI-I (VGA) 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

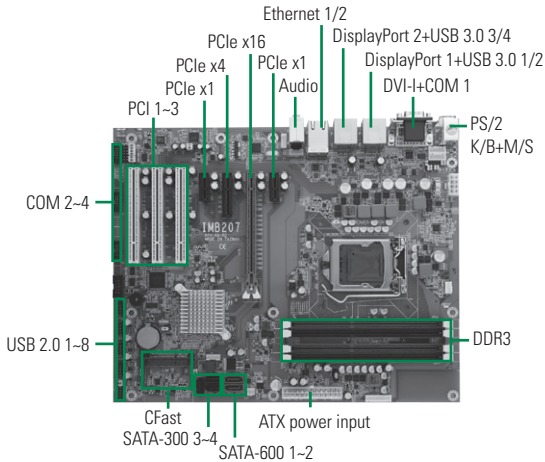
User's manual/utility CD, cable

Ordering Information

Standard	
IMB208	ATX industrial motherboard with LGA1155 socket 3rd generation Intel® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® USB 3.0, dual GbE LANs, DisplayPort/DVI-I (VGA) and CFast™

IMB208

ATX Industrial Motherboard with LGA1155 Socket Intel® Core™ i7/i5/i3 & Celeron® Intel® C216, USB 3.0, DisplayPort/DVI-I (VGA), Dual LANs and CFast™



System

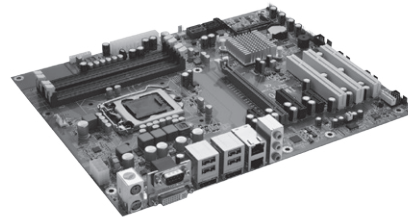
CPU	LGA1155 socket 3rd generation Intel® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
System Memory	4 x 240-pin DIMM support ECC DDR3-1333/1600 max. up to 32 GB
Chipset	Intel® C216
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	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	E3-1275V2 3.5 GHz DDR3, 8 GB 1600 x 1 +5V@2.8A, +12V@9.3A, -12V@0.4A, +5VSB@0.4A, +3.3V@2.1A
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® 82574L
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® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® processor (Ivy Bridge)
- 4 DDR3-1333/1600 DIMM up to 32 GB
- 2 DisplayPort and 1 DVI-I (VGA) 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

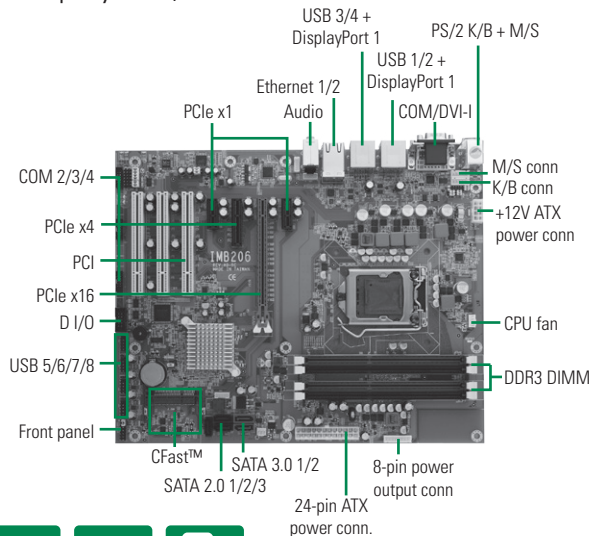
User's manual/utility CD, cable

Ordering Information

Standard	
IMB208	ATX industrial motherboard with LGA1155 socket 3rd generation Intel® Xeon® E3-V2, Core™ i7/i5/i3 & Celeron® USB 3.0, dual GbE LANs, DisplayPort/DVI-I (VGA) and CFast™

IMB206

ATX Industrial Motherboard with LGA1155 Socket 2nd Generation Intel® Core™ i7/i5/i3 & Celeron®, Intel® Q67 Chipset, DVI-I/DisplayPort, Dual LANs and CFast™



System

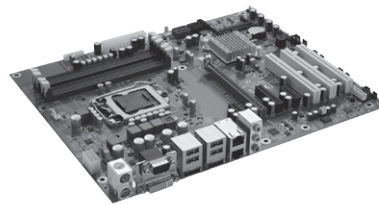
CPU	LGA1155 socket for 2nd generation Intel® Core™ i7/i5/i3 & Celeron® processors (Sandy Bridge)
System Memory	4 x 240-pin DIMM support DDR3-1066/1333 max. up to 16 GB
Chipset	Intel® Q67 PCH
BIOS	AMI UEFI BIOS with OA 3.0 built
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 Gen. 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 & 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
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 2nd generation Intel® Core™ i7/i5/i3 & Celeron® processor (Sandy Bridge)
- 4 DDR3-1066/1333 DIMM support up to 16 GB
- 2 DisplayPort and 1 DVI-I with dual view supported
- PCIe Gen. 2
- 2 SATA-600, 3 SATA-300 with RAID 0/1/5/10
- 12 USB 2.0 ports
- TPM supported
- Intel® AMT 7.0 supported



▲ Side view

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

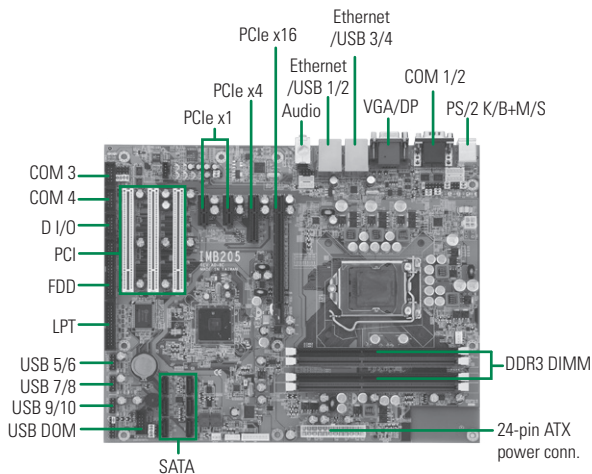
Ordering Information

Standard	
IMB206DGGA	ATX industrial motherboard with LGA1155 socket Intel® Core™ i7/i5/i3 & Celeron®, Intel® Q67, DisplayPort/DVI-I, dual GbE LANs, 4 COM, RAID and HD audio

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

IMB205

ATX Industrial Motherboard with LGA1156 Socket Intel® Core™ i7/i5/i3 & Pentium®, Intel® Q57, VGA/DisplayPort and Dual LANs

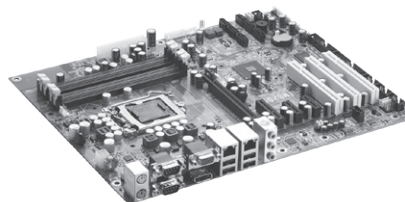


System

CPU	LGA1156 socket for Intel® Core™ i7/i5/i3 & Pentium® processor
System Memory	4 x 240-pin DIMM supports DDR3-1066/1333 max. up to 16 GB
Chipset	Intel® Q57
BIOS	AMI UEFI BIOS
SSD	USB DOM
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 1 x PCIe x4 (refer to user's manual for setting) 2 x PCIe x1 (refer to user's manual for setting) 3 x PCI
Battery	Lithium 3V/220 mAh
Power Requirements	Intel® Core™ i5-660 @3.33 GHz, 2 GB DDR3 Max. RMS: +5V_SBY @ 0.43A, +3.3V @ 0.8A, +5V @ 0.966A, +12V @ 2.533A, -12V @ 0.033A
Size	305 x 244 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

Features

- LGA1156 socket Intel® Core™ i7/i5/i3 & Pentium® processor
- 4 DDR3-1066/1333 DIMM support up to 16 GB
- 6 SATA-300 with RAID 0/1/5/10
- Intel® AMT & TPM (optional) supported
- DisplayPort and VGA with dual view supported



▲ Side view

Display

Chipset	Intel® HD Graphics
Memory Size	Intel® DVM T 5.0 compliant
Display Interface	1 x VGA 1 x DisplayPort

Packing List

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

I/O

MIO	1 x FDD 1 x PS/2 keyboard & 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 0/1/5/10
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1st port as 10/100/1000Mbps supports iAMT, Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82578DM 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574L
Audio	HD Codec audio as MIC-in/ Line-out/Speaker-out
USB	12 x USB 2.0, 4 ports on the rear I/O, 8 ports with pin-headers
TPM	Infineon SLB9635 for trusted platform (optional)
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels (4-IN & 4-OUT)

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Вологда (8172)26-41-59
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Ярославль (4852)69-52-93