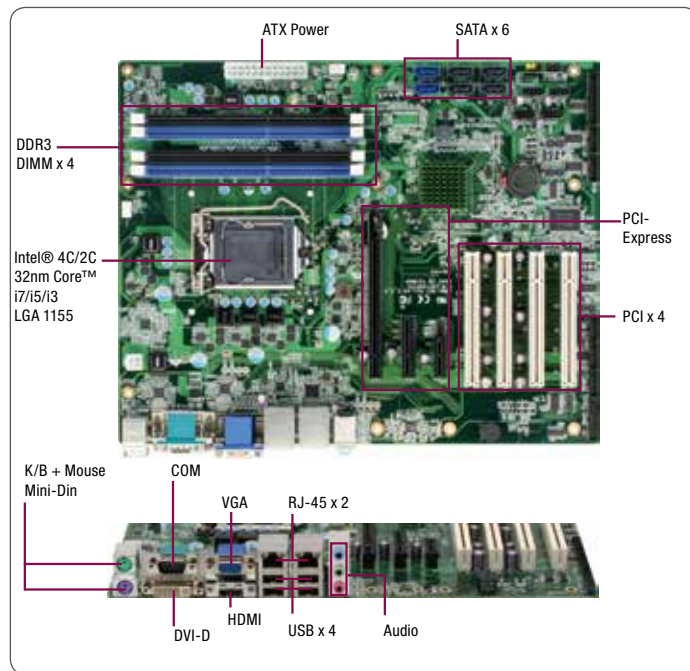


IMBA-967

Industrial Motherboard with Intel® Core™ i7/i5/i3 Processor



Features

- Intel® Core™ i7/i5/i3 LGA 1155 (4C/ 2C 32nm) Processor With Graphic & Memory Controller
- Intel® Q67
- Dual-Channel DDR3 1066/1333 MHz, Up to 32 GB
- Intel® 10/100/1000Base-TX Ethernet x 2 (LAN1 Supports Intel® iAMT 7.0)
- Intel® Integrated GPU Support Dual Display By VGA, DVI, HDMI
- HDAC With Realtek ALC662
- SATA 6.0 Gb/s and 3.0 Gb/s x 6, Support RAID 0/1/5/10
- USB2.0 x 12, COM x 6, LPT x 1, IrDA x 1
- PCI-E [x16] x 1, PCI-E [x4] x 1, PCI-Express [x1] x 1, PCI x 4



Specifications

System	
Form Factor	ATX Industrial Motherboard
Processor	Intel® Core™ i7/i5/i3 (4C/ 2C/ 32nm) Processor by LGA1155 (H2 socket), TDP 95W Max.
System Memory	Dual-Channel DDR3 1066/1333 MHz, up to 32 GB
Chipset	Intel® Q67
Ethernet	Intel® 10/100/1000Base-TX x 2, RJ-45 x 2 LAN1: Intel® 82579LM PHY (Supports Intel® iAMT 7.0) LAN2: Intel® 82574L
Audio	HD Audio codec with Realtek ALC662
BIOS	AMI BIOS-64Mb SPI flash ROM
H/W Status Monitoring	CPU Fan Speed, Temperature, Power Supply Voltage
Expansion Interface	PCI-Express [x16] x 1 (PCI-E 2.0) PCI-Express [x4] x 1 (PCI-E 2.0) PCI-Express [x1] x 1 (PCI-E 2.0) PCI x 4 (PCI 2.3)
Watchdog Timer	1 ~ 255 steps, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX Standard 24-pin connector x 1
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	10%~80%, non-condensing
Board Size (L x W)	12" x 9.6" (305 mm x 244 mm)
Gross Weight	1.76 lb (0.8 kg)
MTBF (Hours)	52,000
Display	
VGA Controller	Intel® integrated Graphics Processor Unit
Memory	256 MB
Resolution	2048x1536 for CRT 1920x1080 for DVI
LCD Interface	VGA x 1, DVI-D x 1, HDMI x 1

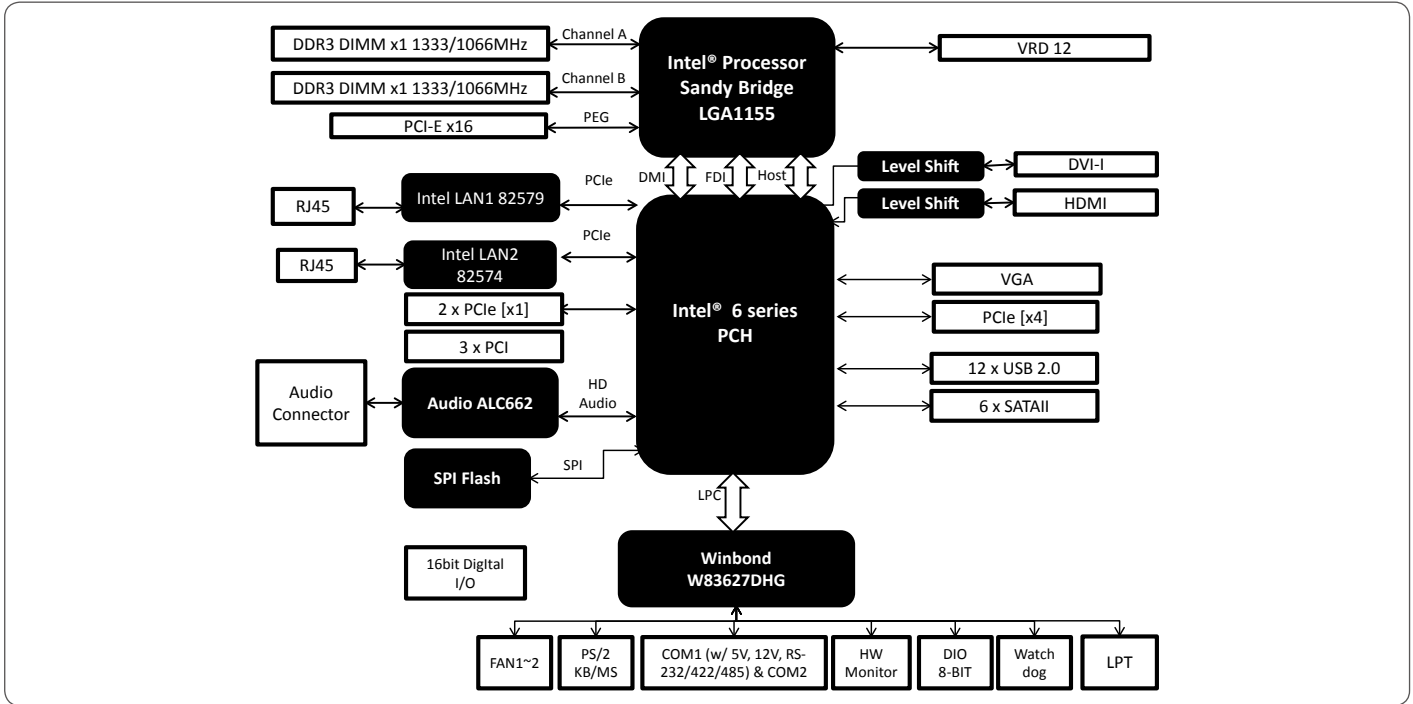
I/O	Winbond W83627UHG
Storage	Onboard SATA x 6, support RAID 0/1/5/10 - SATA 6.0 Gb/s x 2, 6.0 Gb/s data transfer rate - SATA 3.0 Gb/s x 4, 3.0 Gb/s data transfer rate
Serial Port	COM x 6 (Pin-header x 5, DB-9 x 1) COM 1/2 : RS-232 COM 3 : RS-232/422/485 COM 4~6: RS-232 (Optional RS-422/485)
Parallel	Supports SPP/EPP/ECP modes
USB	USB2.0 x 12 (box header x 10, Type-A port x 2)
PS/2 Port	Keyboard and Mouse x 1
Digital I/O	8-bit (4-in /4-out) programmable
Display	VGA x 1, DVI-D x 1, HDMI x 1
Audio	Audio Jack x 3 With BTX Type (Mic-in, Line-in, Line-out)
IrDA	IrDA Tx/Rx header x 1

Packing List

- 1700100353
USB Cable
- 1701100305
COM Port Cable
- 1709070800
SATA Cable
- M20QM57000
I/O Shield
- Product DVD
- IMBA-967

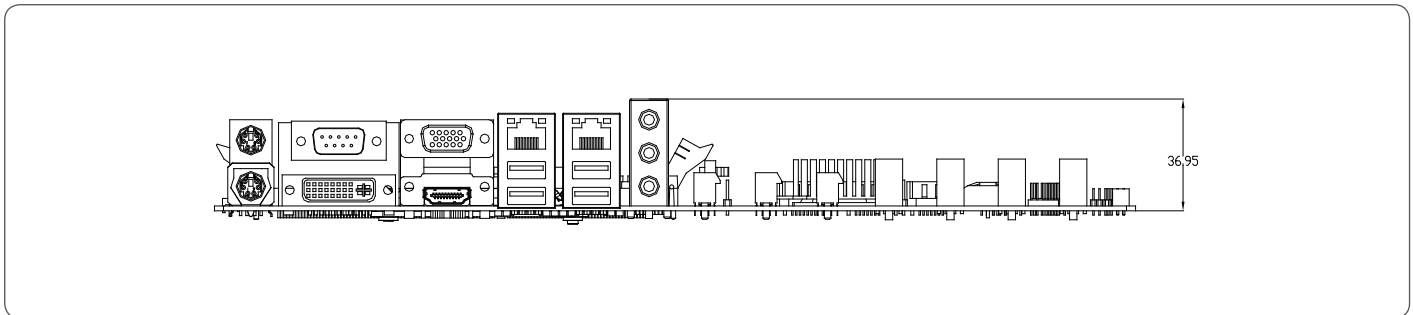
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Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TF-IMBA-967-A11-G2	Socket	DDR3 32 GB	Fan	SATA2 x 4, SATA3 x 2	VGA/DVI-D/HDMI	—	GbE x 2	12	5	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI-E[x1] x 1, PCI x 4	ATX	0°C ~ 60°C
TF-IMBA-967-A11-VG	Socket	DDR3 32 GB	Fan	SATA2 x 4, SATA3 x 2	VGA/DVI-D/HDMI	—	GbE x 1	12	1	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI-E[x1] x 1, PCI x 4	ATX	0°C ~ 60°C

Optional Accessories

- 1759200172

CPU Cooler for LGA 1155 CPU, TDP 95W