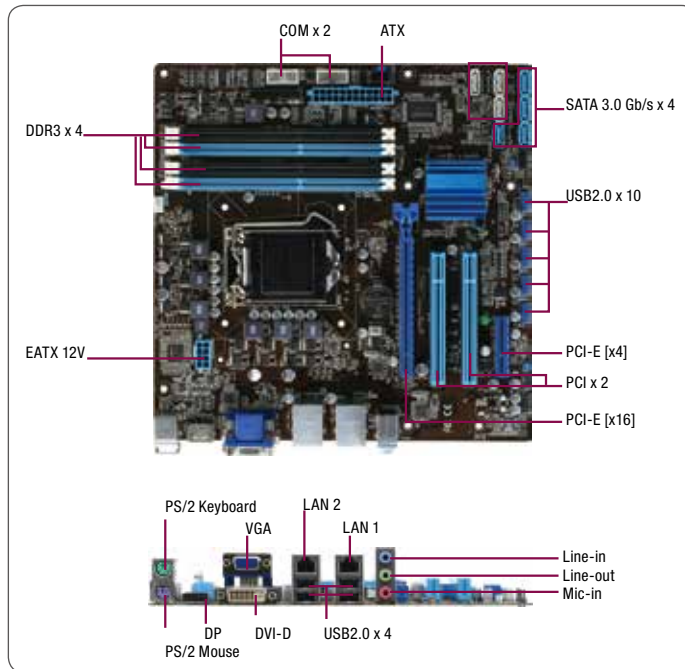


IMBM-Q67A

Micro-ATX Industrial Motherboard with Intel® 2nd Generation Core™ i7/i5/i3 Processor



Features

- Intel® 2nd Generation Core™ i7/i5/i3 Processor
- VGA x 1, DVI x 1, DP x 1
- Gigabit Ethernet x 2
- USB2.0 x 14
- SATA 6.0 Gb/s x 3 + SATA 3.0 Gb/s x 4
- Multiple Expansion Slot: PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2
- TPM Onboard



Specifications

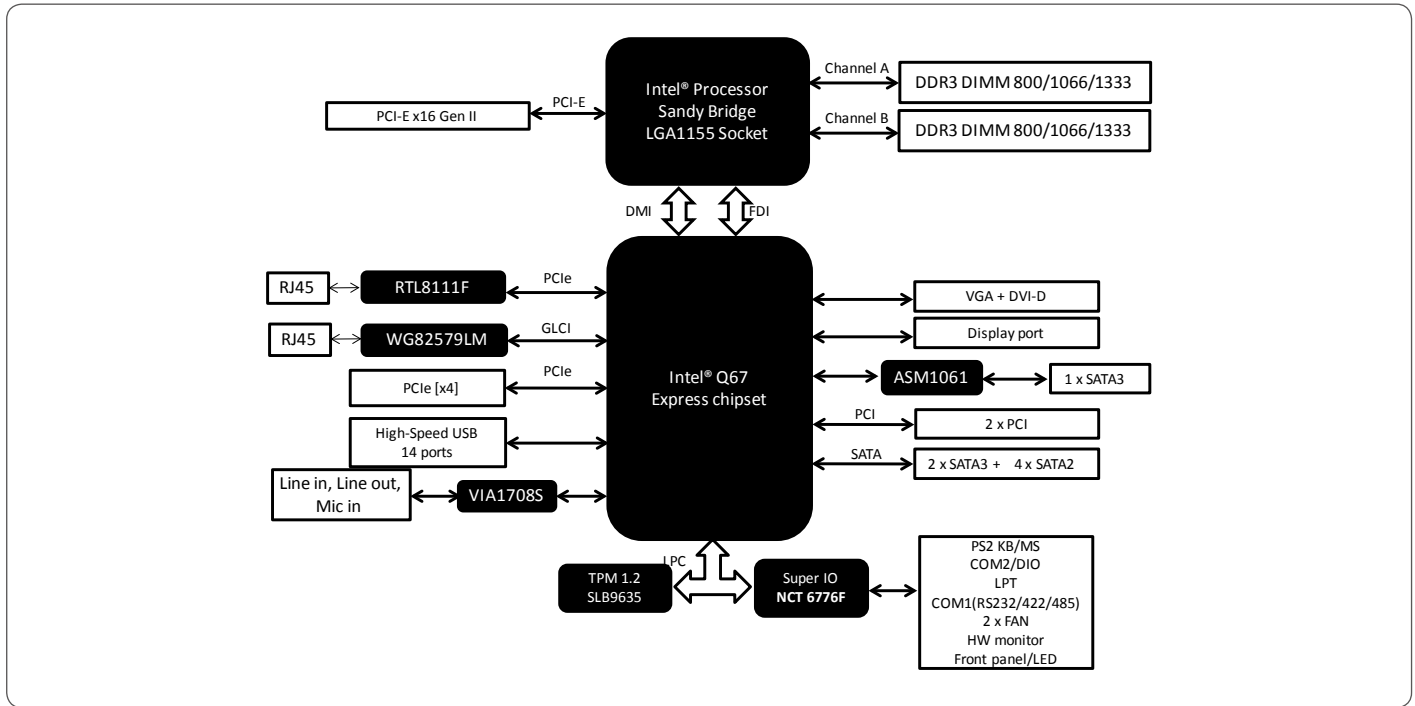
System	
Form Factor	Micro ATX
Processor	LGA 1155 Intel® 2nd Generation Core™ i7/i5/i3 Processor
System Memory	240-pin DDR3 1333/1066/800 MHz DIMM x 4, up to 32 GB
Chipset	Intel® Q67
I/O Chipset	NUVOTON NCT6776F
Ethernet	LAN2: Intel® 82579LM + LAN1: Realtek 8111F
BIOS	AMI Plug & Play UEFI BIOS - 64 MB
Wake On LAN	LAN1: Supports Intel® AMT 7.0 LAN2: Support WOL, PXE
Watchdog Timer	Programmable 1~255 steps System reset
TPM	Infineon SLB9635
H/W Status Monitoring	Temperature Monitor on CPU/Chassis Voltage Monitor on Vcore/ 5V/ 3.3V/ 12V Fan Monitor on CPU/Chassis
Expansion Interface	PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2
Battery	Lithium Battery
Power Requirement	24-pin ATX connector x 1, 8-pin ATX 12V connector x 1
Power Consumption	Intel® Core™ i7-2600 Processor, DDR3-1600 8 GB x 4 3.15A@5V; 8.22A @12V; 0.67A@3.3V
Board Size	9.6" x 9.6" (244 mm x 244 mm)
Gross Weight	1.55 lb (0.7 kg)
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensin
MTBF (Hours)	93,000
Display	
Graphic Engine	Intel® Graphics Media Accelerator, Dual independent display
Resolution	Up to 2048 x 1536 @75 Hz for VGA Up to 1920 x 1200 @60 Hz for DVI Up to 2560 x 1600 @75 Hz for DP
Output Interface	VGA+DP, VGA+DVI, DP+DVI
I/O	
Storage	SATA 6.0 Gb/s x 3, SATA 3.0 Gb/s x 4 (RAID 0/1/5/10 support, except SATA7)
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Parallel Port	SPP/EPP/ECP
USB	USB 2.0 x 14 (10 ports at mid-board, 4 ports at back panel)
PS/2 Port	PS/2 Port x 2 (Keyboard & Mouse)
Audio	VIA VT 1708S, Line-in, Mic-in, Line-out, S/PDIF

Packing List

- SATA Cable x 2
- 17001100260
COM Cable (4P, 260mm, P=2.54mm w/bracket)
- I/O Shield
- Product CD
- IMBM-Q67A

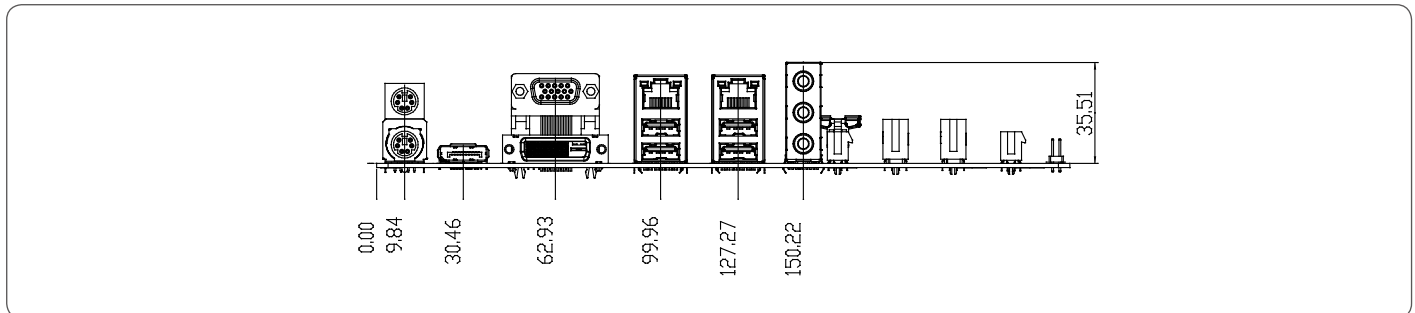
IMBM-Q67A

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	TPM	Temp.
IMBM-Q67A-A10-G2	Socket	DIMM	FAN	VGA/DVI/DP	SATA3 x 3 SATA2 x 4	—	GbE x 2	USB 2.0 x 14	1	1	PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2	ATX	Onboard	0°C – 60°C

Optional Accessories

- **1759200172**
CPU Cooler (2-Ball, Screw with Retention Plate)
- **175921156B**
CPU Cooler (2-Ball, Push-pin Type)
- **1701260305**
LPT Cable (25P, 270MM)
- **1709100330**
USB 2.0 cable (9P, 330MM, p=2.54mm, w/bracket)
- **170910020K**
USB 2.0 cable (9P, 200MM, p=2.54mm, w/o bracket)
- **1709070800**
SATA Cable