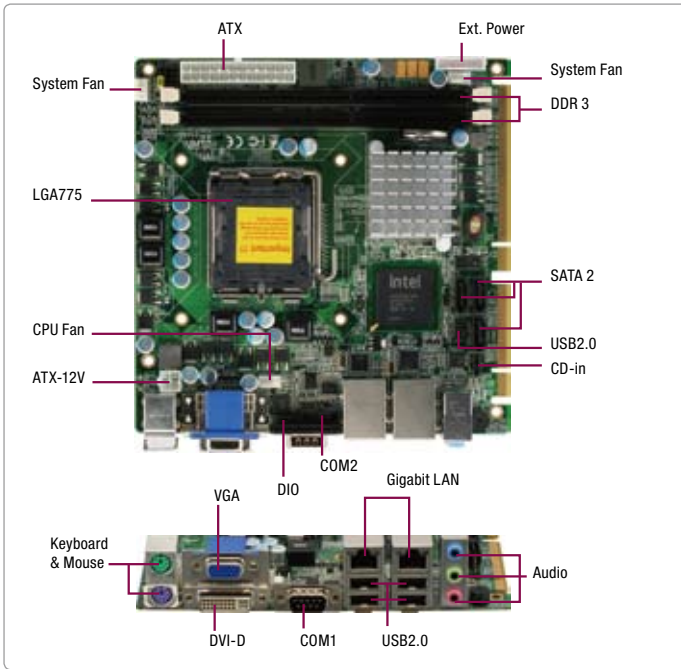


IMBI-Q45

Industrial Motherboard with Intel® Core™ 2 Duo/ Quad LGA 775 Processor

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Embedded & Industrial Motherboards



Features

- Intel® Core™ 2 Duo/ Quad LGA775 Processor
- Intel® Q45 + ICH10D0
- Dual-Channel DDR3 800/1066 Memory (Up To 4 GB), 2 GB Double Side DIMM x 2
- Intel® Gigabit Ethernet x 2
- Dual View With VGA & DVI
- SATA 3.0Gb/s x 3, RAID 0,1,5,10
- USB2.0 x 6, COM x 2
- Multiple Extended Bus With Golden Finger



Specifications

System	
Form Factor	Mini-ITX
Processor	Intel® Core™2 Duo/Quad LGA775 CPU, FSB 800/1066/1333 MHz (Q9000, E8000, E7000, E5000, E6000, E4000, E2000, Conroe L series), TDP 95W Max.
System Memory	Dual-Channel DDR3 800/1066 SDRAM x 2, up to 4 GB, (2 GB Double Side DIMM x 2)
Chipset	Intel® Q45 + ICH10D0
Ethernet	Intel® 10/100/1000Base-TX, RJ-45 X2 LAN1: Intel® 82567LM, LAN2: Intel® 82574L
Audio	HD Audio Codec with Realtek ALC888
BIOS	Award BIOS SPI ROM-16 Mb
Storage	SATA 3.0Gb/s connector x 3 onboard with RAID (4th SATA in Golden Finger)
Watchdog Timer	1 ~ 255 steps, can be set with software on Super I/O
H/W Status Monitoring	Monitoring system temperature, voltage, and cooling fan status
Expansion Interface	Multiple PCIe and PCI interface with Golden Finger
Power Requirement	ATX Standard with 24-pin connector x 1
Power Consumption	64W @ Intel® E8400, DDR3 1066/2GB, ATX
Board Size (L x W)	6.7" x 6.7" (170mm x 170mm)
Gross Weight	0.66 lb (0.3 Kg)
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
MTBF (Hours)	55,000
Display	
Chipset	Intel® Q45
Graphic Engine	Intel® Graphics Media Accelerator 4500
Resolution	2048 x 1536 for CRT; 1920 x 1080 for DVI
Output Interface	VGA x 1, DVI-D x 1
I/O	
Serial Port	ITE.IT8718F
Serial Port	RS-232 x 2 (one with header, one with port)
KB & Mouse	Keyboard x 1 & Mouse x 1
USB	USB2.0 x 6 (four in the I/O side, two with header)
Audio	Audio Jack x 3 w/BTX Type (Mic in, Line in, Line out)
Ethernet	RJ-45 x 2
DIO	Programmable 8-bit (4 input/ 4 output)

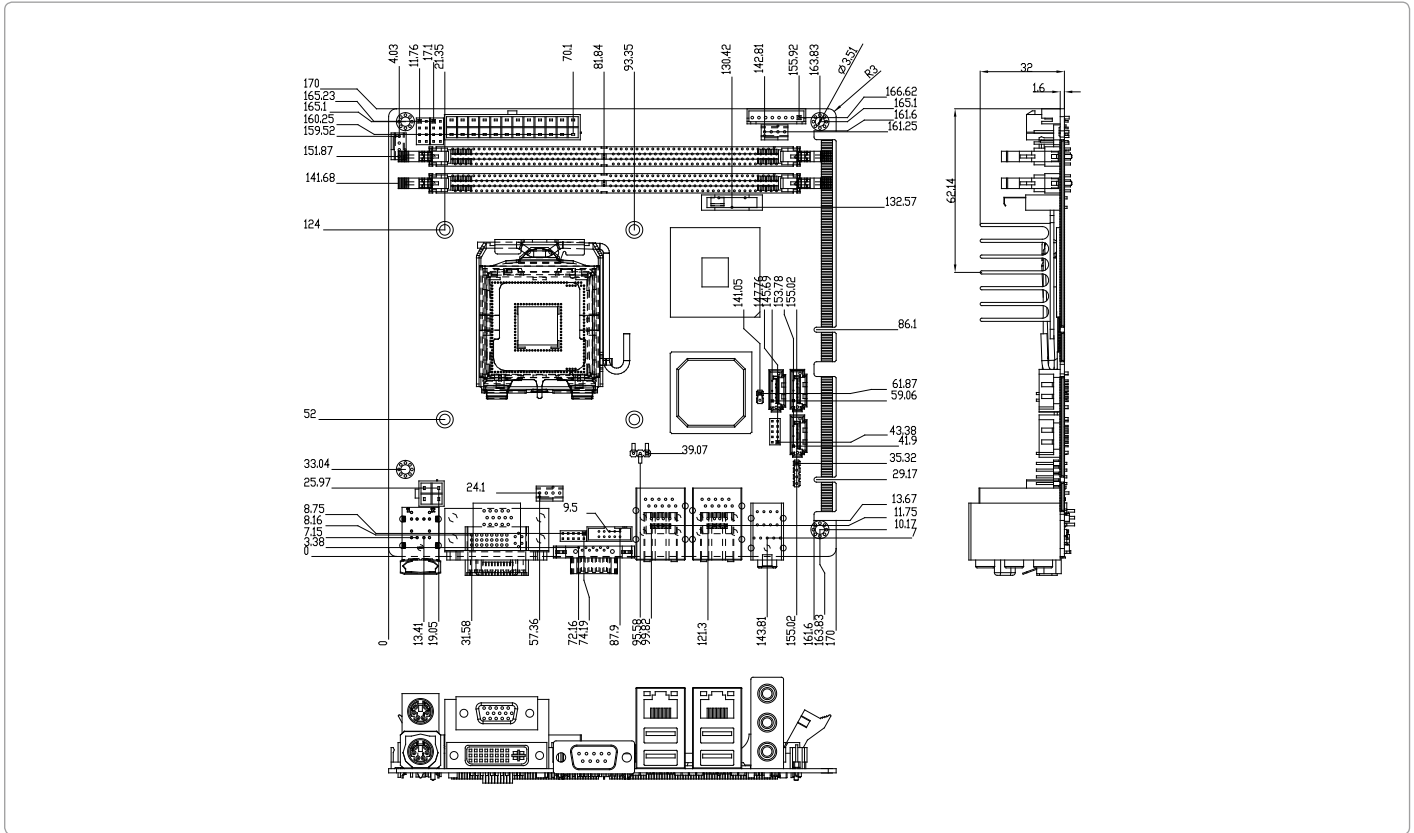
Packing List

- 1709070800
SATA Signal Cable
- 1701100305
COM Port Cable with DB-9
- 1709100201
USB Cable
- M20Q450000
I/O Shield
- Product CD
- IMBI-Q45

IMBI-Q45

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	Temp.
TF-IMBI-Q45-A13-G2	Socket	DIMM	Fan	VGA/DVI-D	SATA2 x 3	—	GbE x 2	6	2	0	Golden Finger	ATX	0°C ~ 60°C

Optional Accessories

- **1759200169**
CPU Cooler for LGA 775 CPU, TDP 95W, 2~4U
- **1759200335**
CPU Cooler for LGA 775 CPU, TDP 65W, 1U