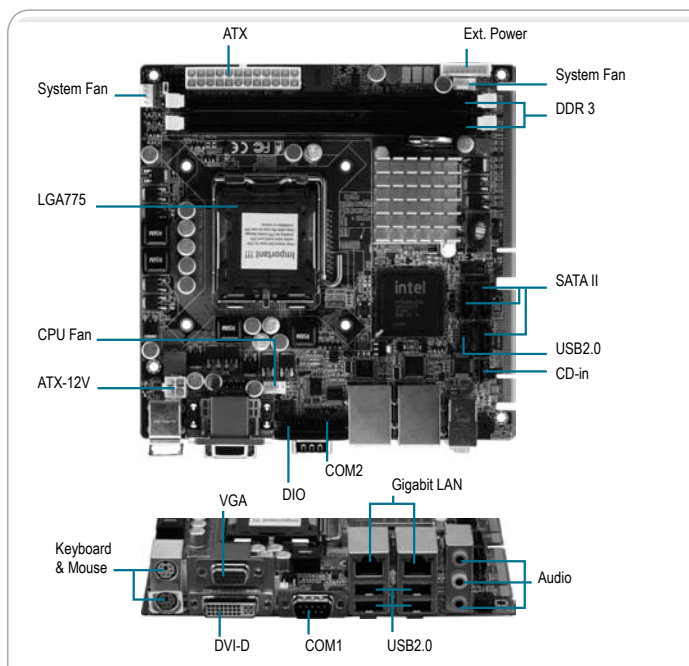


## Industrial Motherboard With Intel® Core™ 2 Duo/ Quad LGA 775 Processor



## Features

- Intel® Core™ 2 Duo/Quad LGA775 CPU
- Intel® Q45 + ICH10DO
- Dual-Channel DDRIII 800/1066 Memory Up To 4 GB
- Intel® Gigabit Ethernet x 2
- Intel® Gen 5.0 integrated Graphics Engine Supports Dual View With VGA & DVI
- HD Audio
- SATA II x 3, RAID
- USB 2.0 x 6, COM x 2
- Multiple Extended Bus With Golden Finger
- 24-Pin ATX Power Connector



## Specifications

System	
Form Factor	Mini-ITX
Processor	Intel® Core™2 Duo/Quad LGA775 CPUs , FSB 800/1066/1333 MHz (Q9000, E8000, E7000, E5000, E6000, E4000, E2000, Conroe L series), TDP 95W Max.
System Memory	Dual-Channel with 240-pin DDRIII 800/1066 SDRAM x 2, total up to 4 GB
Chipset	Intel® Q45 + ICH10DO
Ethernet	Intel® PCI-Express 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
I/O Chip	ITE IT8718F I/O controller
Storage	SATA II connector x 3 onboard with RAID (4th SATA in Golden Finger)
DIO	Onboard Programmable 8-bit Digital I/O interface (4 input/ 4 output)
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	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
Board Size (L x W)	6.7" x 6.7" (170mm x 170mm)
Gross Weight	0.88 lb (0.4 Kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operating Humidity	10~80%, non-condensing
MTBF (Hours)	55,000
Display	
Chipset	Intel® Q45
Graphic Engine	Intel® Graphics Media Accelerator 4500
Resolution	Analog up to 2048 x 1536 @ 75 Hz; Flat panels up to 2048 x 1536 @ 60 Hz
Output Interface	VGA x 1, DVI-D x 1
I/O	
Serial Port	RS-232 x 2 (one with header, one with port)
KB & Mouse	Keyboard x 1 & Mouse x 1
Universal Serial Bus	USB 2.0 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
Display	VGA x 1, DVI-D x 1

## Packing List

- **1709070800**  
2 SATA Signal Cable
- **1701100305**  
1 COM Port Cable with DB-9
- **1709100201**  
1 USB Cable
- **M20Q450000**  
1 I/O Shield
- **Quick Installation Guide**
- **CD-ROM for Manual (in PDF Format) and Drivers**
- **IMBI-Q45**

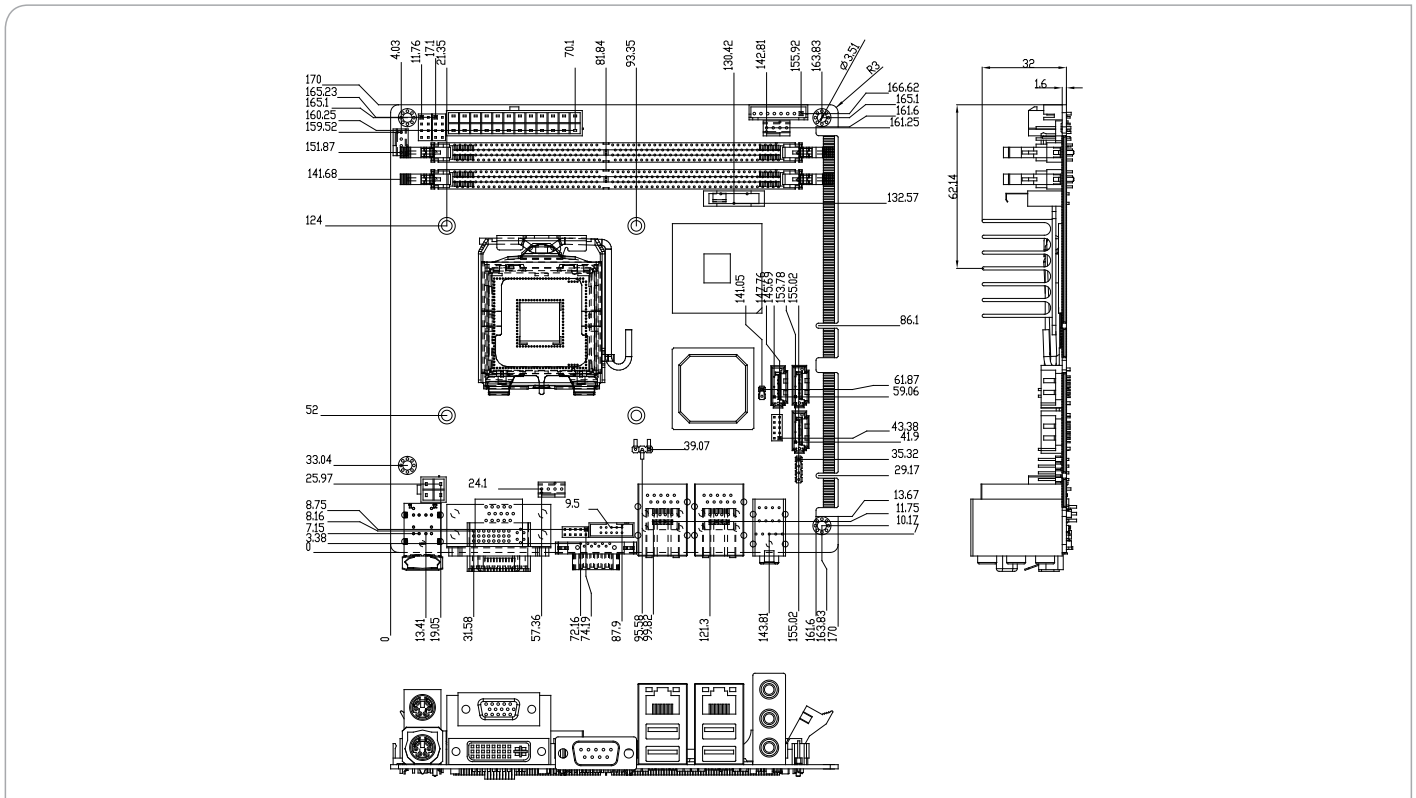
## Ordering Information

- **TF-IMBI-Q45-A11-G2**  
Mini-ITX, LGA775 Quad Core™ CPU, VGA, DVI, 2 GbE LAN, 6 USB, Audio, 3 SATA, Rev.A1.1

# IMBI-Q45

## Dimension

Unit: mm



## Optional Accessories

- 1759200169  
Intel® LGA775 CPU Cooler/95W max.

## Chassis Options

Model Name	Description
TF-ARC-626M	19" 2U Rackmount Chassis, 3 Slots, AAEON Mini-ITX Board