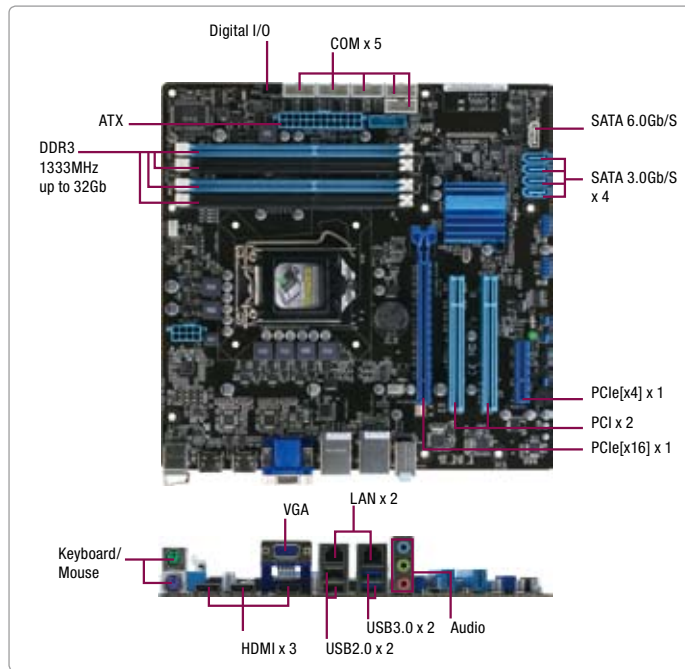


Industrial Motherboard With 3rd Generation Intel® Core™ i7 / i5 / i3 Processor



## Features

- Intel® 3rd Generation Core™ i7/ i5/ i3 LGA 1155 Processor
- Intel® B75
- Dual-Channel DDR3 1066/1333 DIMM x 4 (Up to 32GB)
- Intel® Integrated Graphics Engine Supports 3 Independent Display by VGA, HDMI
- Realtek 8111F for 10/100/1000Base-TX Ethernet x 2
- SATA 3.0 Gb/s x 4, SATA 6.0 Gb/s x 1
- USB 2.0 x 6, USB 3.0 x 4, COM x 5
- PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2, TPM 1.2 Onboard (Optional)



## Specifications

System	
Form Factor	Micro ATX
Processor	Intel® Core™ i7/ i5/ i3 LGA 1155 Processor
System Memory	Dual-Channel DDR3 1066/1333 DIMM x 4(Up to 32GB) Un-buffered Memory
Chipset	Intel® B75
Graphics	Intel® HD Graphic Support , Three independent display
I/O Chipset	ITE IT8783F
Ethernet	Realtek 8111F for 10/100/1000Base-TX Ethernet x 2
BIOS	AMI BIOS SPI flash ROM - 64Mb
Digital I/O	8-bit programmable (4-in / 4-out)
Wake On LAN	Yes
Watchdog Timer	1~255 steps, can be set with software on Super I/O
H/W Status Monitoring	System temperature, Voltage, and Cooling fan status
Expansion Interface	PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2, TPM 1.2 onboard (Optional)
Battery	Lithium battery
Power Requirement	ATX Standard 24-pin connector x 1, 8-pin +12V connector x 1, CPU fan x1, System fan x1 with 4-pin wafer Support SMART FAN control
Board Size	9.6"(L) X 9.6"(W)(244MM X 244MM)
Gross Weight	1.76 LB (0.8 KG)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-4 °F ~ 158 °F (-20 °C ~ 70 °C)
Operation Humidity	5% ~ 90% RELATIVE HUMIDITY, NON-CONDENSING
Display	
Chipset	Intel® Core™ i7/ i5/ i3 LGA 1155 Processor + Intel® B75
Graphic Engine	Intel® HD Graphic Support , Three independent display
Resolution	1920 x 1200 @ 75 Hz for CRT 1920 x1080 @ 60 Hz for HDMI
Output Interface	VGA x 1, HDMI x 3
I/O	
Storage	SATA x 5 - SATA 6.0 Gb/s x 1 - SATA 3.0 Gb/s x 4
Serial Port	COM ports (Box header x 4, external DB-9 x 1) COM 1: RS-232/422/485 (external DB-9) COM 2-5: RS-232 (Box header)
PS/2 Port	Keyboard x 1 & Mouse x 1
USB	USB2.0 x 6, USB3.0 x 4
Ethernet	RJ-45 w/ LED x 2
Audio	Audio Jack x 3 ( Mic-in/ Line-in/ Line-out )

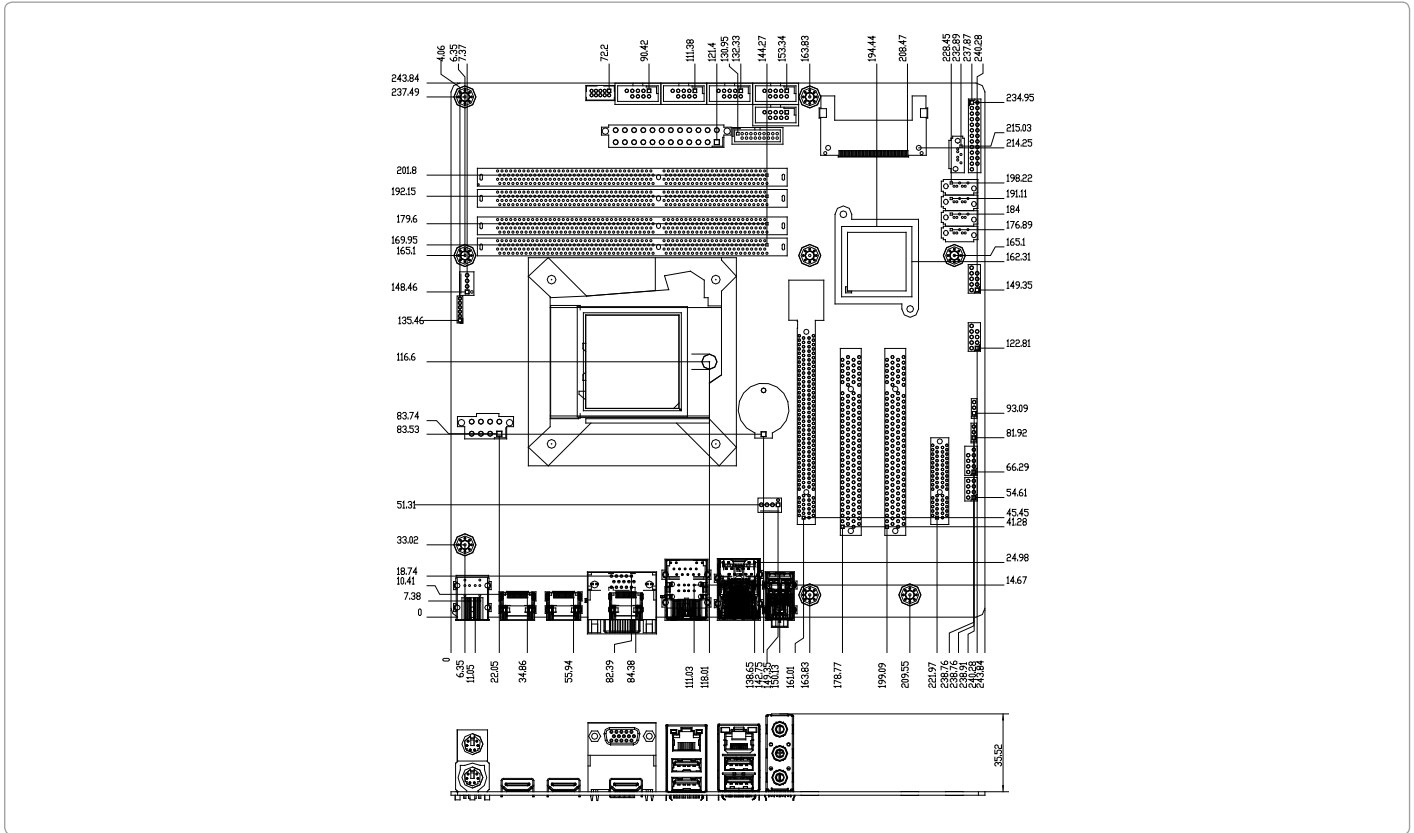
## Packing List

- 1709070800  
SATA Cable x 2
- 1701100302  
COM Port Cable
- M20Q570000  
I/O Shield
- Product CD
- IMBM-B75A

# IMBM-B75A

## 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-IMBM-B75A-A10-G2	Socket	DIMM	Fan	VGA, HDMI	SATA 2 x 4, SATA 3 x 1	—	GbE x 2	USB2.0 x 6, USB3.0 x 4	5	1	PCI-E [x16] x 1, PCI-E [x4] x 1, PCI x 2, TPM 1.2 Onboard (Optional)	ATX	0°C ~ 60°C

## Optional Accessories

- **1759200172**  
CPU Cooler Fan, LGA 1156 Socket, 3P, 12V, 2-Ball Bearing, Dynatron, K785 (2U cooler)