

Launching in Q2

Features

- Intel® Core™ i7/ i5/ i3 LGA 1155 Processor
- Intel® Q77
- Dual-Channel DDR3 1066/1333 DIMM x 4, (Up to 32 GB)
- Intel® Integrated Graphics Engine Supports 3 Independent Displays by VGA, DisplayPort™
- LAN 1 : Intel® 82579 (Supports iAMT 8.0)
- LAN 2 : Intel® 82583V
- SATA 3.0Gb/s x 2, SATA 6.0Gb/s x 2, Support RAID 0,1,5,10
- USB2.0 x 4, USB3.0 x 4 , COM x 4
- PCI-E [x16] x 1, PCI-E [x4] x 1, PCI Slot x 2, TPM 1.2 (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, Max. 32GB, Unbuffered Memory
Chipset	Intel® Q77
Ethernet	LAN1: Intel® 82579 (Supports Intel® iAMT 8.0) LAN2: Intel® 82583V, 10/100/1000Base-TX, RJ-45 x 2
BIOS	AMI SPI Flash BIOS-64Mb ROM
Expansion Interface	PCI-Express[x16] x 1, PCI-Express[x4] x 1, PCI x 2, TPM 1.2 onboard (Optional)
Watchdog Timer	System reset : 1~255 steps by software programming
H/W Status Monitoring	System Temperature, Voltage, and Cooling Fan Status
Battery	Lithium battery
Power Requirement	ATX Standard 24-pin connector x 1, 4-pin +12V connector x 1, CPU fan x1, System fan x1 with 4-pin wafer support SMART FAN control
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
Board Size	9.6"(L) x 9.6"(W)(244mm x 244mm)
Gross Weight	1.1 lb (0.5 Kg)
MTBF	—
Power Consumption	—
Display	
Chipset	Intel® Core™ i7/i5/i3 Processor + Intel® Q77
Graphic Engine	Intel® HD Graphic Support , Three independent displays
Resolution	Up to 2048 x 1536 @ 75Hz for CRT Up to 2560 x 1600 @ 85Hz for DisplayPort™ 1080P for HDMI (optional)
Output Interface	DVI-D x1, DisplayPort™ x 2 (HDMI optional)
I/O	
Storage	SATA x 4, Support RAID 0/1/5/10 SATA 6.0Gb/s x 2 SATA 3.0Gb/s x 2
Serial Port	COM x 4 (Box header x 3 , external DB-9 x 1) COM 1: RS-232/422/485 (external DB-9) Options w/ +5V/+12V powered by jumper setting on pin 9 COM 2~4 : RS-232 (Box header)
PS/2 Port	Keyboard x 1 & Mouse x 1
Universal Serial Bus	USB2.0 x 4 , USB3.0 x 4
Digital I/O	8-bit programmable (4-in/ 4-out)
Audio	Audio Jack x 3 (Mic-in/ Line in/ Line-out)

Packing List

- TBD

IMBM-Q77

Dimension

Unit: mm

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Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
TF-IMBM-Q77-A10-G2	Socket	DDR3 32G	Fan	SATA2 x 2, SATA3 x 2	VGA/DVI-D/HDMI (Optional)/DP	N/A	GbE x 2	8	3	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI x 2	ATX	0°C ~ 60°C
TF-IMBM-Q77-A10-VG	Socket	DDR3 32G	Fan	SATA2 x 2, SATA3 x 2	VGA/DVI-D/HDMI (Optional)/DP	N/A	GbE x 1	8	1	1	PCI-E[x16] x 1, PCI-E[x4] x 1, PCI x 2	ATX	0°C ~ 60°C

Optional Accessories

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