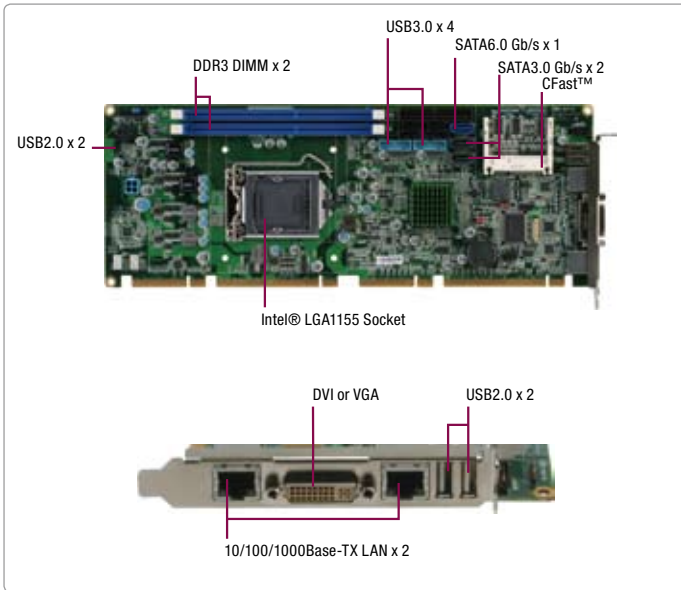


FSB-B75H

Full-Size SBC with Intel® 3rd Generation Core™ i7/i5/i3 Processor

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Full-Size SBCs (PICMG 1.3)



Features

- Intel® 3rd Generation Core™ i7/i5/i3 LGA 1155 Processor
- Intel® B75 Chipset
- Dual-Channel DDR3 DIMM Socket x 2 (up to 16GB)
- Intel® B75 Integrated Intel® HD Graphics
- Gigabit Ethernet x 2
- SATA 6.0Gb/s x 1, SATA 3.0Gb/s x 2 (Backplane x 2), CFAST™ x 1
- COM x 2, USB 3.0 x 4, USB 2.0 x 4, LPT x 1
- PICMG 1.3
- ATX 2.1 Power Requirement

Specifications

System	
Form Factor	PICMG 1.3 Full-Size SBC
Processor	Intel® 3rd generation Core™ i7/i5/i3 LGA 1155 processor
System Memory	240-pin Dual-Channel DDR3 1333/1600 DIMM socket x 2, up to 16GB
Chipset	Intel® B75
Graphics	Intel® B75 Integrated Intel® HD Graphics
I/O Chipset	Winbond W83627DHG-P
Ethernet	Realtek 8111E 10/100/1000Base-TX, RJ-45 x 2 on bracket
BIOS	AMI Plug & Play SPI BIOS ~128 Mbits ROM
Digital I/O	8-bit programmable (4-in / 4-out)
Audio	HDAC Daughter board (Optional) Mic-in/ Line-in/ Line-out
Wake On LAN	Yes
Watchdog Timer	1~255 STEPSBY SOFTWARE PROGRAMMING
H/W Status Monitoring	System temp. Voltage, and Cooling fan status monitoring
Expansion Interface	PICMG 1.3
Battery	Lithium battery
Power Requirement	ATX 2.1
Power Consumption (Typical)	77W, with Intel® Core™ i7-3770; 3M Cache
Board Size	13.3" x 5" (339mm x 126mm)
Gross Weight	1.2 lb (0.5 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
MTBF(Hours)	60,000
Display	
Chipset	Intel® B75
Graphic Engine	Integrated Intel® HD Graphics
Resolution	Up to 2048 x 1536 @ 75Hz for CRT
Output Interface	DVI x 1 on bracket, VGA (Optional)
I/O	
Storage	SATA 6.0Gb/s x 1, SATA 3.0Gb/s x 2 (Backplane x 2), CFAST™ x 1
Serial Port	COM ports x 2 COM 1: RS-232, with Box header COM 2: RS-232/422/485, with Box header
USB	USB3.0 x 4 (internal 10 x 2 pin header x2) USB2.0 x 4 (onboard Dual TYPE-A Connector x 2, Internal 5 x 2-pin header x 1) (4 USB on backplane)
Parallel Port	LPT Port x 1
Ethernet	RJ45 w/ LED x 2
PS/2 Port	Keyboard/ Mouse x 1



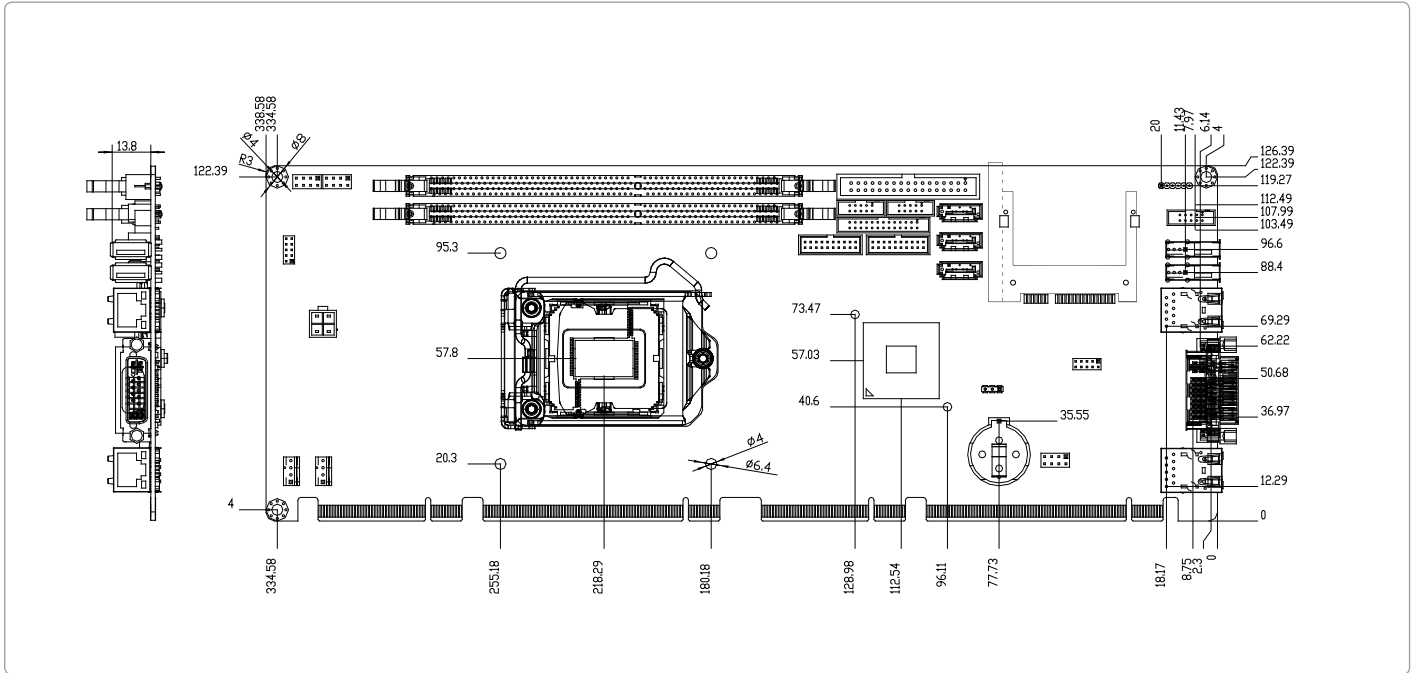
Packing List

- **1701260307**
Flat Cable, 9P/DB9P Male & 25P DB25P Female, 10P 2mm & 26P 2mm/IDC No Fold
- **1701100305**
Flat Cable, 9P/DB9P Male, 10P/2.0mm Pitch/IDC No Fold, 30cm with Bracket
- **1709070460**
SATA Cable, 1.27mm Pitch, 46cm with Lock
- **Product CD**
- **FSB-B75H**

FSB-B75H

Dimension

Unit: mm



Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-214SH-P3E2I6	Rackmount, PICMG 1.3, 14-Slot, Backplane, 3 PCI, 2 PCI-E, 6 ISA, Single Segment, ATX	PICMG 1.3	3/2/6/2 (PCI/PCI-E/ISA/PICMG 1.3)	ATX
BP-214SH-P8E4	Rackmount, PICMG 1.3, 14-Slot, Backplane, 8 PCI, 4 PCI-E, Single Segment, ATX	PICMG 1.3	8/4/1 (PCI/PCI-E/PICMG1.3)	ATX
TF-BP-208RH-P4E3	Rackmount, PICMG 1.3, 8-Slot, Backplane, 4 PCI, 2 PCI-E[x1], 1 PCI-E[x16], Single Segment, ATX	PICMG 1.3	4/2/1 (PCI/PCI-E [x1]/PCI-E [x16]/ PICMG1.3)	ATX
BP-208SH-P3E4	Wallmount, PICMG 1.3, 8-Slot, Backplane, 3 PCI, 4 PCI-E, Single Segment, ATX	PICMG 1.3	3/4/1 (PCI/PCI-E/PICMG1.3)	ATX
TF-BP-206VH-P4	Rackmount, PICMG 1.3, 6-slot Backplane, 4 PCI, Single Segment, ATX	PICMG 1.3	4/1 (PCI/ PICMG 1.3)	ATX
TF-BP-206VH-E4	Rackmount, PICMG 1.3, 6-slot Backplane, 4 PCI-E, Single Segment, ATX	PICMG 1.3	4/1 (PCI-E/ PICMG 1.3)	ATX
TF-BP-206SH-P3	Wallmount, PICMG 1.3, 6-Slot, Backplane, 3 PCI, 2 PCI-E, Single Segment, ATX	PICMG 1.3	3/2/1 (PCI/PCI-E/PICMG 1.3)	ATX
BP-206VH-P2E2	Rackmount, PICMG 1.3, 6-Slot, Backplane, 2 PCI, 2 PCI-E, Single Segment, ATX	PICMG 1.3	2/2/1 (PCI/PCI-E/PICMG1.3)	ATX

Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
FSB-B75H-A10-D	Socket	DIMM	Fan	DVI	SATA 6.0Gb/s x 1, SATA 3.0Gb/s x 2 (Backplane x 2), CFast™ x 1	—	GbE x 2	USB 3.0 x 4 USB 2.0 x 4	1	1	PICMG 1.3	ATX	0°C ~ 60°C
FSB-B75H-A10-V	Socket	DIMM	Fan	VGA	SATA 6.0Gb/s x 1, SATA 3.0Gb/s x 2 (Backplane x 2), CFast™ x 1	—	GbE x 2	USB 3.0 x 4 USB 2.0 x 4	1	1	PICMG 1.3	ATX	0°C ~ 60°C

Optional Accessories

- **TF-PER-U01H**
HD Codec Audio Daughter Board
- **175920000D**
CPU Fan + Heatsink
- **1709080207**
K/B + M/S PS/2 Cable with Bracket
- **1700190450**
2 Ports USB3.0 Cable with Bracket