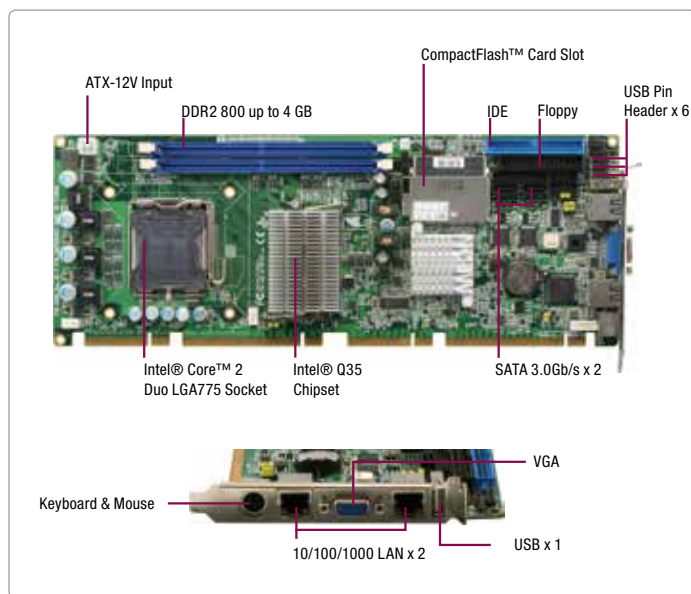


FSB-960H

Full-Size SBC With Intel® Core™ 2 Duo/ Core™ 2 Quad LGA775 Processor

13

Full-Size SBCs (PICMG 1.3)



Features

- Intel® Core™ 2 Duo/ Core™ 2 Quad LGA775 CPU, FSB 800/1066/1333 MHz
- Intel® Q35 + Intel® ICH9R (ICH9DO)
- DDR2 800/667 Memory Up To 4 GB
- 10/100Base-TX Ethernet x 2 (Gigabit Ethernet Optional)
- Integrated Intel® Enhanced Graphics Core, VGA Support
- HD Codec Audio Daughter Board (Optional)
- Ultra ATA100 x 1, SATA 3.0Gb/s x 2, CompactFlash™ Type 2 x 1
- USB2.0 x 11, COM x 2, Parallel x 1, IrDA x 1
- ATX 2.1
- PICMG 1.3

Specifications

System	
Form Factor	PICMG1.3 Full-Size SBC
Processor	Intel® Core™ 2 Duo/ Core™ 2 Quad LGA775 CPU, FSB 800/1066/1333 MHz
System Memory	240-Pin 1.8V DDR2 DIMM Socket x 2, up to 4 GB, Support Dual-channel DDR2 memory (DDR2 667/800)
Chipset	Intel® Q35 + Intel® ICH9R (ICH9DO)
Ethernet	Intel® 82562W/82566DM, 10/100Base-TX Intel® 82573L, 10/100/1000Base-TX (optional) RJ-45 x 2
BIOS	Award Plug & Play SPI BIOS – 16Mb ROM
Expansion Interface	PICMG 1.3
Watchdog Timer	1~255 steps, can be set with software on Super I/O
H/W Status Monitoring	System temp. Voltage, and Cooling fan status monitoring
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX 2.1
Power Consumption (Typical)	90W, with Intel® Core™ 2 Duo CPU E6400 2.13GHz/ FSB 1066 MHz/ 2M L2 Cache
Board Size	13.3" (L) x 5" (W) (339mm x 126mm)
Gross Weight	1.2lb (0.5 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
MTBF (Hours)	60,000
Display	
VGA Controller	Enhanced Integrated Graphics
Memory	Shared memory up to 256 MB
Resolutions	Up to 1280 x 1024 @ 65Hz for CRT
I/O	
Storage	IDE slot x 1 (SATA to IDE), SATA 3.0Gb/s x 2, CompactFlash™ Type 2 x 1, Standard Floppy Port x 1
Serial Port	COM port x 2: (Internal Pin Header x 2) COM 1: RS-232 COM 2: RS-232/ RS-422/ RS-485,
Parallel Port	Supports SPP/EPP/ ECP mode
USB Internal	USB2.0 x 7 (Internal 5x2-pin header x 3, up to 6 USB, TYPE-A Connector onboard x 1) USB2.0 Port to Backplane x 4
PS/2 Port	Keyboard x 1, Mouse x 1
Audio (Daughter Board)	High Definition Audio Codec, MIC-in/Line-in/Line-out/CD-in
IrDA	Supports One IrDA header



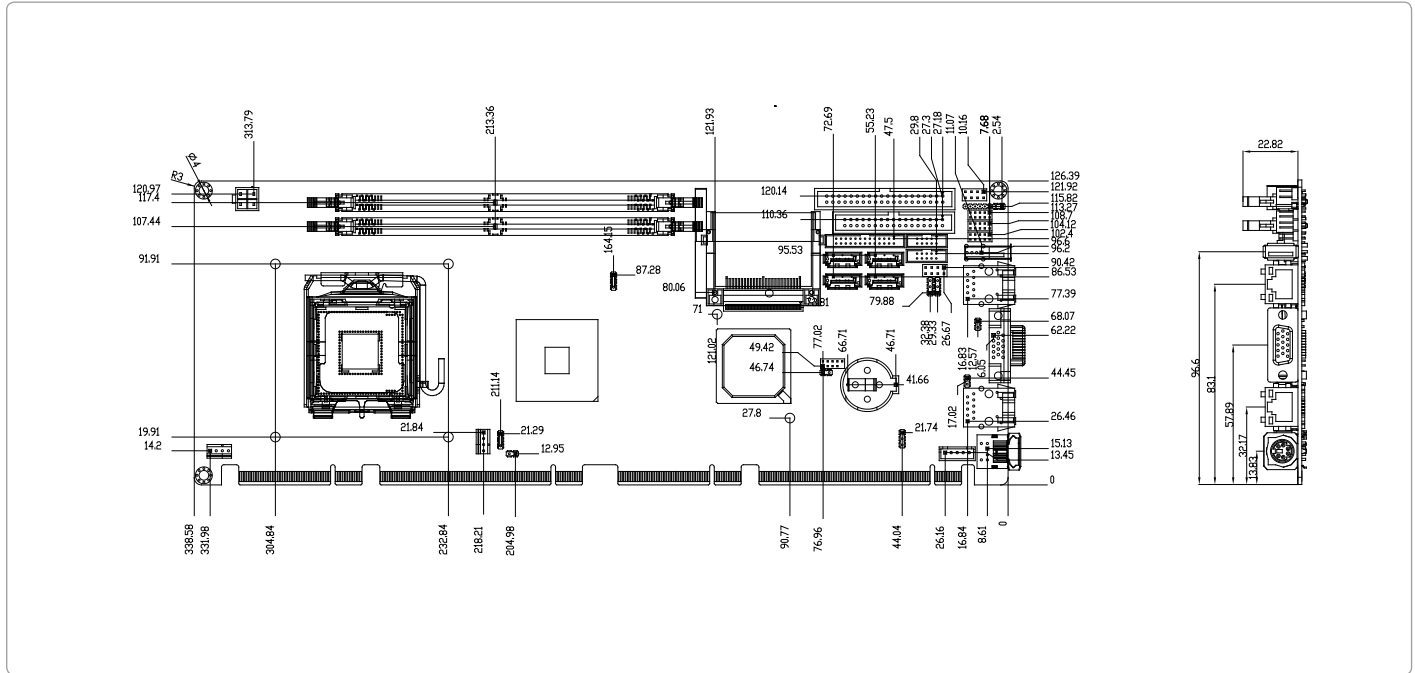
Packing List

- **1709070800**
SATA Cable, 7P Pitch 1.27mm, 80cm, With Lock
- **1701340704**
Flat Cable, 34P, 70cm, Gray for FDD
- **1701400453**
Cable, 40P 2.54mm IDC W/—se W/Fold, 40P 2.54mm IDC W/—se W/Fold, 45cm, Blue ATA-100
- **1700060192**
Cable, 6P-6P-6P, 19cm, IVORY PS2/KB & Mouse
- **1701260307**
Flat Cable, 9P/DB9P MALE & 25P DB25P FEMALE, 10P 2mm & 26P 2mm/IDC NO
- **1701100305**
Flat Cable, 9P/DB9P MALE, 10P/2.0mm Pitch/IDC — Fold, 30cm, W/ Bracket
- **1709100201**
USB Cable, 20cm 2.0mm, W/ Bracket
- **Product CD**
- **FSB-960H**

FSB-960H

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.
TF-FSB-960H-A11-G2	Socket	DIMM	Fan	VGA	SATA2 x 2, IDE x 1, Floppy x 1, CF x 1	—	GbE x 2	USB2.0 x 11	1	1	PICMG1.3	ATX +12V	0°C ~ 60°C

Optional Accessories

- **TF-PER-U01H**
HD Codec Audio Daughter Board
- **1703030501**
Supports ATX Power from Backplane to CPU Card
- **1702030301**
ATX Power Simulation AT Power Switch Wire
- **1701400800**
P-ATA100 Cable 80cm
- **1709070780**
SATA Cable 78cm
- **1702043000**
ATX 12V Extension Cable
- **1759200161**
LGA775 CPU Fan
- **1701260307**
1 Serial port + 1 Parallel port with Bracket
- **1701100305**
1 Serial port with Bracket
- **1998666611**
P-ATA IDE Removable Frame-Black
- **1998666612**
P-ATA IDE Removable Frame-White
- **1998666613**
SATA IDE Removable Frame-Black
- **1998666614**
SATA IDE Removable Frame-White