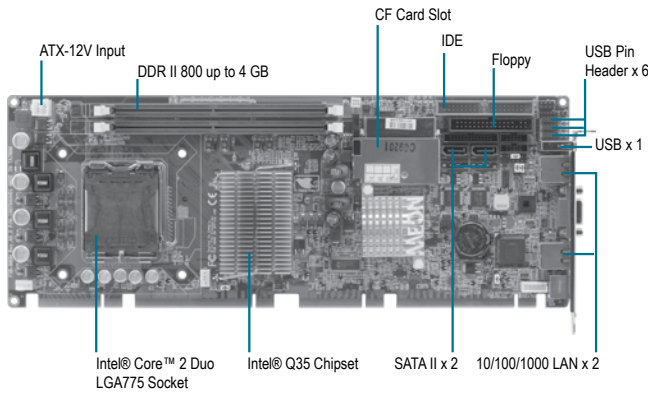


# FSB-960H

## Intel® Core™ 2 Duo/ Core™ 2 Quad LGA775 PICMG 1.3 Full-size SBC



### Features

- Intel® Core™ 2 Duo LGA775 CPU up to 3GHz/ Core™ 2 Quad LGA775 CPU up to 2.83GHz, FSB 800/1066/1333 MHz
- DDRII 800/667 Memory Support up to 4GB
- Integrated Intel® Enhanced Graphics Core, VGA Support
- 10/100/1000Base-TX Ethernet x 2 (10/100 & GbE Optional)
- PCI-Express [x16] x 1 and PCI-Express [x4] x 1 Link to Backplane
- USB 2.0 x 11/ RS-232/422/485 x 1/ RS-232 x 1/ Parallel x 1/ IrDA Port x 1
- SATA-II Port x 2 (RAID), CompactFlash™ Type-II
- Compliance with PICMG 1.3
- Intel® AMT with Circuit Breaker



### Specifications

System	
Form Factor	PICMG1.3 Full-Size SBC
Processor	Intel® Core™ 2 Duo LGA775 CPU up to 3GHz/ Core™ 2 Quad LGA775 CPU up to 2.83GHz, FSB 800/1066/1333 MHz
System Memory	240-Pin 1.8V DDR2 DIMM Socket x 2, total up to 4GB Support Dual Channel DDR2 memory (DDR2 667/800)
Chipset	Intel® Q35 + Intel® ICH9R(Ich9DO)
Ethernet	PCI-Express x 1 10/100Mb or 10/100/1000Mb LAN optional, RJ-45 X2, Intel® 82566X / 82562V / 82573V/E controller
BIOS	Award Plug & Play FWH BIOS – 8Mb ROM
IDE Interface	IDE slot x 1 (SATA to IDE)
Solid Storage Disk	CFD type II Connector x1
Expansion Interface	PCI x3/ PCI-Express [x4] x 1/ PCI-Express [x16] Connector x 1
Watchdog Timer	1~255 step, can be set with software on Super I/O
RTC	Internal RTC
Battery	Lithium Battery
Power Requirement	ATX12V connector, Other from Backplane
Board Size	13.3" (L) x 4.98" (W) (338.58 mm x 126.39 mm)
Gross Weight	1.2lb (0.5 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
MTBF (Hours)	62,062
Power Consumption (Typical)	—
Display	
VGA Controller	Supports CRT & LCD simultaneous display
Memory	Enhanced Integrated Graphics
Memory	Shared memory up to 256M
Resolutions	Up to 1920x1200 @ 85MHz for CRT Up to 1600x1200 @ 60MHz for LCD
LCD Interface	N/A
I/O	
Serial Port	Winbond 83627EHG 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
Universal Serial Bus	USB 2.0 Port on CPU card x 7 5x2 pin header for internal x 3 TYPE-A Connector onboard x 1 USB 2.0 Port to Backplane x 4
Floppy Drive Interface	Standard FDD port x 1, supports up to one floppy device
Keyboard and Mouse	Mini-DIN PS/2 K/B and Mouse connector x 1 internal keyboard pin header x 1
IrDA	Supports One IrDA header
Audio(Daughter Board)	Audio Codec, MIC-in/Line-in/Line-out/CD-in

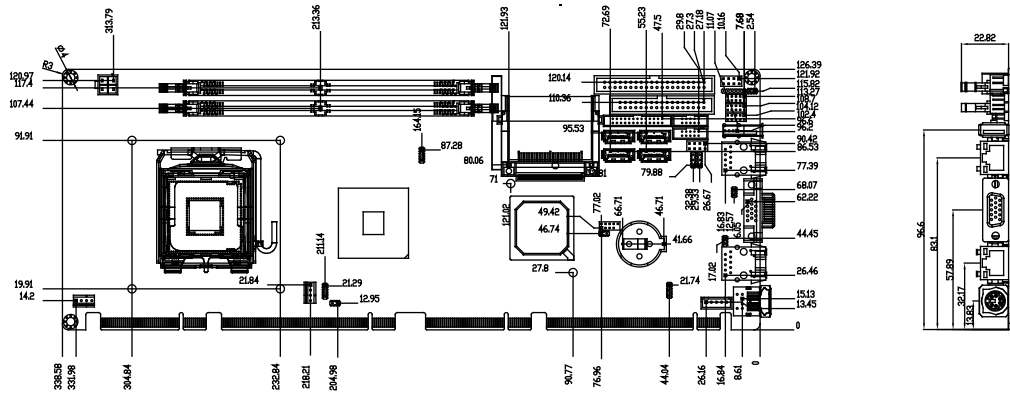
### Packing List

- **1709070800**  
SATA CABLE, 7P Pitch 1.27mm, 80cm, W/Lock
- **1701340704**  
Flat Cable, 34P, 70cm, GRAY for FDD
- **1701400453**  
Cable, 40P 2.54mm IDC W/Nose W/Fold, 40P 2.54mm IDC W/Nose 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 NO FOLD, 30cm, W/BRACKET
- **1709100201**  
USB Cable, 20cm 2.0mm, W/Bracket
- **Quick Installation Guide**
- **Utility CD**
- **FSB-960H**

### Ordering Information

- **TF-FSB-960H-A11-G2**  
Full-Size PICMG1.3 CPU Card, Socket 775 Core™ 2 Duo/Core™ 2 Quad, VGA, 2 x Gigabit Ethernet, 7 USB, CompactFlash™, SATA-II, RAID, ATX, Rev. A1.1
- **TF-FSB-960H-A11-EG**  
Full-Size PICMG1.3 CPU Card, Socket 775 Core™ 2 Duo/Core™ 2 Quad, VGA, 1 LAN, 1 GbE LAN, 7 USB, CompactFlash™, SATA-II, RAID, ATX, Rev. A1.1
- **TF-FSB-960H-A11-RF**  
Full-Size PICMG1.3 CPU Card, Socket 775 Core™ 2 Duo/Core™ 2 Quad, VGA, 2 x Gigabit Ethernet, 7 USB, CompactFlash™, SATA-II, RAID, AMT, ATX, Rev. A1.1

## Dimension Unit: mm



## Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-2065H-P3-A10	Wallmount Backplane, PICMG1.3, 6 Slot, 3 PCI, 2 PCI-E, Single Segment, ATX, Rev.A1.0	PICMG 1.3	3/2/1 (PCI/PCI-E/PICMG)	ATX
TF-BP-2145H-P3E2I6	Rackmount Backplane, PICMG1.3, 14 Slot, 3 PCI, 2 PCI-E, 6 ISA, Single Segment, ATX, Rev.A1.0	PICMG 1.3	3/2/6/2 (PCI/PCI-E/ISA/PICMG)	ATX

Note: FSB-960H-A10 Series cannot support the SATA ports of the backplane above.

## Optional Accessories

- **1703030501**  
Supports ATX Power from Backplane to CPU Card
- **1702030301**  
ATX Power Simulation AT Power Switch Wire
- **1701400800**  
P-ATA 100 Cable 80cm
- **1709070780**  
SATA Cable 78cm
- **1702043000**  
ATX 12V Extension Cable
- **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
- **1759200161**  
CPU Cooler Fan for LGA775 Pentium®4 3.6G, 4P, 12V, Dual Ball Bearing