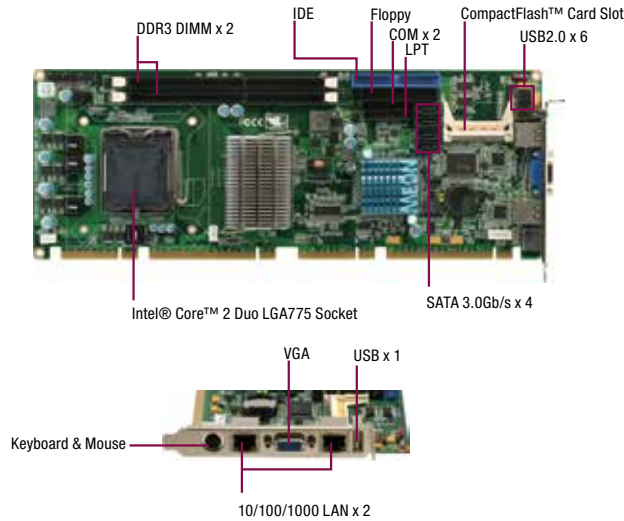


# FSB-G41H

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



## Features

- Intel® Core™ 2 Duo/ Core™ 2 Quad/ Pentium® D/ Celeron® LGA 775 Processor, FSB 800/1066/1333 MHz
- Intel® G41+ ICH7R
- 240-Pin Dual-Channel DDR3 800/1066MHz DIMM Slot x 2, Up to 4GB, 128M x 8 Chip
- 10/100/1000Base-TX Ethernet x 2
- Intel® G41 Integrated GMA X4500 Graphic Engine
- HDAC Daughter Board
- Onboard SATA 3.0Gb/s x 4 Support RAID 0/1/5/10, IDE x 1, Floppy x 1, CompactFlash™ Type 2 x 1
- COM x 2, USB2.0 x 7, Parallel x 1 ,
- ATX 2.1
- PICMG 1.3
- IEEE 1588 Compatible

## Specifications

System	
Form Factor	PICMG 1.3 Full-size SBC
Processor	LGA 775 Intel® Core™ 2 Quad/Core™ 2 Duo/ Pentium® D/ Celeron®, FSB 800/1066/1333 MHz
System Memory	240-pin Dual-channel DDR3 1066/800MHz DIMM Slot x 2, up to 4GB, 128M x 8 Chip
Chipset	Intel® G41+ ICH7R
Ethernet	Intel® 82574L, 10/100/1000Base-TX x 2, RJ-45 x 2 on the bracket
BIOS	Award SPI BIOS - 8Mb ROM
Expansion Interface	PICMG1.3
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)	95W, with Intel® Core™ 2 Quad Q9400, 6M Cache, 2.66 GHz, 1333MHz FSB
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Board Size	13.3"(L) x 5"(W) (339mm x 126mm)
Gross Weight	1.2 lb (0.5kg)
MTBF (Hours)	60,000
Display	
VGA Controller	Intel® G41 integrated GMA X4500 Graphic Engine
Memory	Shared memory up to 256MB
Resolution	2048 x 1536 @ 75 Hz for CRT
I/O	
Storage	IDE slot x 1, SATA 3.0Gb/s x 4 with RAID 0,1,5 and 10, CompactFlash™ Type 2 x 1, Standard Floppy Disk x 1
Serial Port	COM port x 2: (Internal Pin Header x 2) COM 1: RS-232 COM 2: RS-232/422/485
Parallel Port	Supports SPP/EPP/ECP mode
USB	USB2.0 x 7 (Internal 5 x 2-pin header x 3 up to 6 USB, USB2.0 type A on the bracket x 1)
PS/2 Port	Keyboard x 1, Mouse x 1
Audio (Daughter Board)	HDAC Daughter board , Mic-in/Line-in/Line-out/CD-in
IrDA	Supports IrDA header x 1



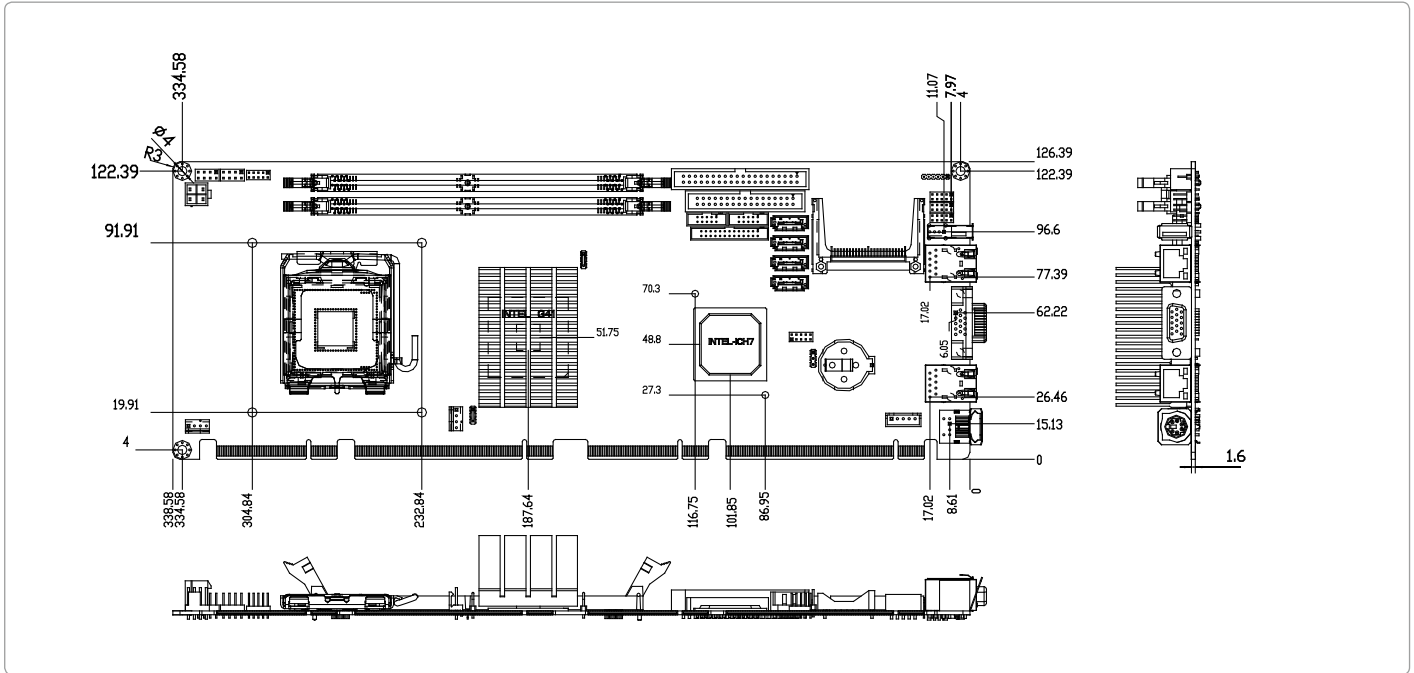
## Packing List

- **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, With Bracket
- **1709100201**  
USB Cable, 20cm 2.0mm, With Bracket
- **Product CD**
- **FSB-G41H**

# FSB-G41H

## Dimension

Unit: mm



## Passive Backplane Options

P/N	Description	Master Interface	Slots	Power Connector, ATX Extend Function
TF-BP-214SH-P3E216	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-G41H-A10-VG	Socket	DIMM	Fan	VGA	SATA2 x 4, IDE x 1, Floppy x 1, CF x 1	—	GbE x 1	USB2.0 x 7	1	1	PICMG 1.3	ATX +12V	0°C ~ 60°C
TF-FSB-G41H-A10-G2	Socket	DIMM	Fan	VGA	SATA2 x 4, IDE x 1, Floppy x 1, CF x 1	—	GbE x 2	USB2.0 x 7	1	1	PICMG 1.3	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**  
PATA100 Cable 80cm
- **1709070800**  
SATA Cable 80cm
- **175920000G**  
CPU Cooler, 1U Height, Aluminum
- **1759200335**  
LGA775 CPU Cooler, 1U Height, Cooler
- **1709070800**  
SATA Cable 80cm
- **1702043000**  
ATX 12V Extension Cable
- **1701260307**  
1 Serial port + 1 Parallel port with Bracket
- **1701100305**  
1 Serial port with Bracket