

FSB-H61G

Full-Size SBC with Intel® 2nd Generation Core™ i7/i5/i3 Processor

Launching in Q2

Full-Size SBCs (PICMG 1.0)

Features

- Intel® 2nd Generation Core™ i3/i5/i7 32nm LGA 1155 Processor
- Intel® H61
- Dual Channel DDR3 Memory DIMM Socket x 2 (Up to 16 GB)
- 10/100/1000Base-TX Ethernet x 2
- Intel® H61 Integrated Intel® HD Graphics
- AC97 Codec Audio Daughter Board (Optional)
- SATA 3.0 Gb/s x 4, CFAST™ x 1 (Optional)
- COM x 2, USB 2.0 x 7
- ISA, PCI Expansions
- ATX 2.1
- PICMG 1.0

Specifications

System	
Form Factor	PICMG 1.0 Full-Size SBC
Processor	Intel® 2nd Generation Core™ i3/i5/i7 32nm LGA 1155 Processor
System Memory	240-pin Dual-Channel DDR3 1066/1333 DIMM socket x 2, up to 16 GB
Chipset	Intel® H61
Ethernet	Realtek 8111E controller x 2, 10/100/1000Base-TX, RJ-45 x 2
BIOS	AMI Plug & Play SPI BIOS – 32 MB ROM
Expansion Interface	ISA/ PCI
Watchdog Timer	1~255 steps by software programming
RTC	Internal RTC
Battery	Lithium battery
Power Requirement	ATX 2.1
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	13.3" x 5" (339mm x 126mm)
Gross Weight	1.2lb (0.5kg)
MTBF	—
Power Consumption (Typical)	—
Display	
VGA Controller	Intel® H61 Integrated Intel® HD Graphics
Memory	Shared memory up to 1748MB
Resolution	Up to 2048 x 1536 @ 75Hz for CRT
Output Interface	VGA x 1
I/O	
Storage	SATA 3.0Gb/s x 4, CFAST™ x 1 (optional)
Serial Port	COM x 2, COM 1: RS-232, COM 2: RS-232/422/485, with Box header
Parallel Port	Supports SPP/EPP/ECP mode
Universal Serial Bus	USB2.0 x 7, (Internal 5 x 2-pin header x 3, up to 6 USB, onboard TYPE-A Connector x 1)
PS/2 Port	Keyboard x 1, Mouse x 1
Audio	Realtek ALC655 AC97 Codec (Optional) Mic-in/Line-in/Line-out/CD-in
Digital I/O	8-bit programmable (4-in / 4-out)
IrDA	Supports IrDA Header x 1



Packing List

- TBD

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Dimension

Unit: mm

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Passive Backplane Options

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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-H61H-A10-VG	Socket	DIMM	Fan	VGA	SATA2 x 4, CFast™ x 1 (Optional)	—	GbE x 1	USB2.0 x 7	1	1	ISA, PCI	ATX +12V	0°C ~ 60°C
TF-FSB-H61H-A10-G2	Socket	DIMM	Fan	VGA	SATA2 x 4, CFast™ x 1 (Optional)	—	GbE x 2	USB2.0 x 7	1	1	ISA, PCI	ATX +12V	0°C ~ 60°C

Optional Accessories

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