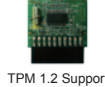
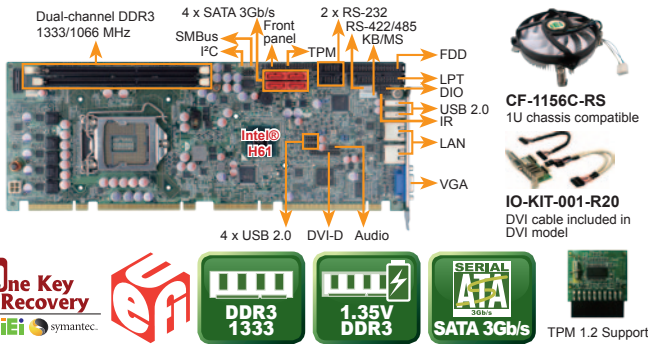


## PCIE-H610

Full-size PICMG 1.3 CPU Card supports 32nm LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® H61, DDR3, VGA, USB 2.0, SATA 3Gb/s, Dual Realtek PCIe GbE, HD Audio and RoHS



### Features

- Full-size PICMG 1.3 graphics grade solution
- LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- Dual-channel 1333/1066 MHz DDR3/DDR3L SDRAM supported up to 16 GB
- Intel® HD graphics technology integrates high-performance graphics and media processing
- TPM v1.2 hardware security function supported by TPM module
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

- ◆ CPU: LGA 1155 socket supports Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor
- ◆ PCH: Intel® H61
- ◆ Memory: Two 240-pin 1333/1066 MHz dual-channel DDR3 & DDR3L (1.35V) DIMMs supported (system max. 16 GB)
- ◆ BIOS: UEFI BIOS
- ◆ Graphics Engine: Intel® HD Graphics Gen 6 supports DX10.1 and OpenGL 3.0, Full MPEG2, VC1, AVC Decode
- ◆ Display Output: 1 x VGA (up to 2048x1536@75Hz), 1 x DVI-D (up to 1920x1200@60Hz) (via header to IO-KIT-001-R20 DVI-D/USB module) (optional)
- ◆ Ethernet: LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support, LAN2: Realtek RTL8111E PCIe GbE controller
- ◆ I/O Interface: 1 x FDD, 1 x 6-pin wafer for KB/MS, 1 x LPT, 1 x RS-422/485, 2 x RS-232, 4 x SATA 3Gb/s, 4 x USB 2.0 (4 by backplane pin header via golden finger), 6 x USB 2.0 (2 by rear IO, 4 by on-board pin header)
- ◆ Super I/O: Fintek F81866
- ◆ PCIe Switch: TI XIO3130
- ◆ PCIe-PCI Bridge: ITE IT8929E
- ◆ TPM: 1 x TPM connector (2x10 pin)
- ◆ SMBus: 1 x 4-pin wafer
- ◆ PC: 1 x 4-pin wafer
- ◆ Front Panel: 1 x Front panel (power LED, HDD LED, speaker, power button, reset button)
- ◆ Audio: Supports by IEI AC-KIT-892HD-R10 audio kit
- ◆ Infrared Interface: 1 x 5-pin header
- ◆ Expansions: PCIe signal and PCI signal via golden finger
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O: 8-bit programmable I/O
- ◆ Fan Connector: 1 x 4-pin smart fan connector
- ◆ Power Supply: 5V/12V, AT/ATX support
- ◆ Power Consumption: 5V@4.41A, 12V@0.21A, Vcore\_12V@7.72A, 3.3V@1.71A, 5VSB@0.16A (3.4GHz Intel® Core™ i7-2600K with two 2 GB 1333 MHz DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Storage Temperature: -20°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: 1200g (GW)/420G (NW)

### Packing List

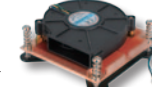
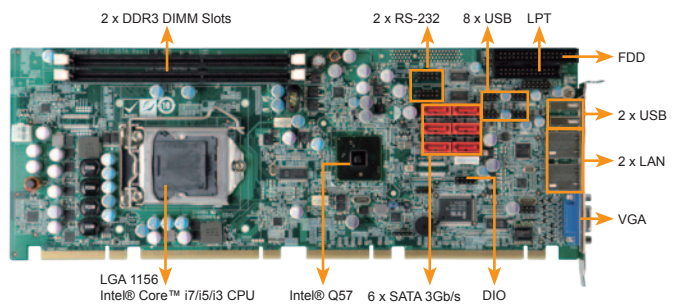
1 x PCIE-H610 single board computer	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x USB cable (P/N: 19800-003100-300-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x QIG (Quick Installation Guide)
1 x One Key Recovery CD	1 x Utility CD

### Ordering Information

Part No.	Description
PCIE-H610-R10	Full-size PICMG 1.3 CPU card supports 32nm LGA 1155 Intel® Core™ i7/i5/i3 CPU with Intel® H61, DDR3, VGA, dual Realtek PCIe GbE, USB 2.0, SATA 3Gb/s, HD Audio and RoHS
PCIE-H610-DVI-R10	Full-size PICMG 1.3 CPU card supports 32nm LGA 1155 Intel® Core™ i7/i5/i3 CPU with Intel® H61, DDR3, VGA, DVI-D, dual Realtek PCIe GbE, USB 2.0, SATA 3Gb/s, HD Audio and RoHS
19800-000049-RS	LPT cable
19800-000075-RS	KB/MS cable with bracket
32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD flat cable
32205-003800-300-RS	RS-422/485 cable, 200mm
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
CF-1156A-RS-R11	High performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W
CF-1156C-RS	LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 65W
CF-1156E-R11	High performance LGA 1155/LGA 1156 cooler kit, 95W
CPU-DT-C-G440	Intel® Celeron® G440 processor, LGA 1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-I3-2120T	Intel® Core™ i3-2120T processor, LGA 1155, dual core 2.6GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-I5-2390T	Intel® Core™ i5-2390T processor, LGA 1155, dual core 2.7GHz, 3M cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-DT-I5-2500T	Intel® Core™ i5-2500T processor, LGA 1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G630T	Intel® Pentium® G630T processor, LGA 1155, dual core 2.3GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
SAIDE-KIT01-R10	SATA to IDE/CF converter board
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware v3.17

## PCIE-Q57A

PICMG 1.3 CPU Card with LGA 1156 socket for Intel® Core™ i7/i5/i3 or Pentium® CPU with VGA, Dual Intel® GbE, SATA 3Gb/s, COM, USB 2.0 and Audio, RoHS



LGA 1156 Cooler  
IEI P/N: CF-1156A-RS-R11



### Features

- PICMG 1.3 with LGA 1156 socket for Intel® Core™ i7/i5/i3 or Pentium® processor
- Supports 8 GB (max.) dual-channel 800/1066/1333 MHz DDR3 SDRAM
- Intel® GbE LAN controller with Intel® AMT 6.0 support
- Fourteen USB 2.0 ports and two COM ports
- Six SATA ports with RAID function
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

- ◆ CPU: LGA 1156 socket supports Intel® Core™ i7/i5/i3 or Pentium® processor
- ◆ System Chipset: Intel® Q57
- ◆ BIOS: AMI BIOS
- ◆ Memory: 2 x 240-pin dual-channel DDR3 1333/1066/800 MHz DIMMs (up to 8 GB)
- ◆ Display Output: 1 x VGA  
Note: The Intel® quad-core processor (e.g., i7-860 and i5-750) is a discrete processor which does not integrate a graphics engine. If a quad-core processor is used on the motherboard, an additional graphics card must be installed in order to support display output. Otherwise, the display will show "No display output" when connected to the on-board VGA port.
- ◆ Ethernet: LAN1: Intel® 82583V PCIe GbE controller, LAN2: Intel® 82578DM with Intel® AMT 6.0 supported by IEI man software UI
- ◆ I/O Interfaces: 1 x FDD, 1 x 6-pin wafer on board for KB/MS, 1 x LPT, 2 x RS-232, 6 x SATA 3Gb/s (RAID 0, 1, 5 and 10), 14 x USB 2.0 (2 on rear side, 12 on board by pin-header)
- ◆ Super I/O: ITE IT8718F
- ◆ Infrared Interface: 1 x 5-pin infrared connector
- ◆ Digital I/O: 8-bit Digital I/O
- ◆ Audio: 7.1-channel supports dual audio streams via Realtek ALC892 audio kit
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Fan Connector: 1 x 4-pin CPU fan connector, 1 x 4-pin PCH fan connector
- ◆ Power Supply: ATX Power (supports AT/ATX mode)
- ◆ Power Consumption: 3.3V@0.89A, 5V@4.62A, 12V@0.51A, Vcore\_12V@4.35A, 5VSB@0.14A (Intel® Core™ i5 660 3.3GHz CPU with two 2 GB 1066 MHz DDR3 memory)
- ◆ Operating Temperature: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: 1.1 kg (GW)

### Packing List

1 x PCIE-Q57A single board computer	1 x Mini jumper pack
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x One Key Recovery CD
1 x USB cable (P/N: 19800-003100-300-RS)	1 x QIG
6 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD

### Ordering Information

Part No.	Description
PCIE-Q57A-R10	PICMG 1.3 CPU card with LGA 1156 socket for Intel® Core™ processor with VGA, dual Intel® GbE, SATA 3Gb/s, USB 2.0, COM, Audio and RoHS
19800-000049-RS	LPT cable
19800-000075-RS	KB/MS cable with bracket
19800-000100-200-RS	4-port USB cable
32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD flat cable
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 codec and dual audio streams
CF-1156A-RS-R11	High performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W
CF-1156E-R11	High performance LGA 1155/LGA 1156 cooler kit, 95W