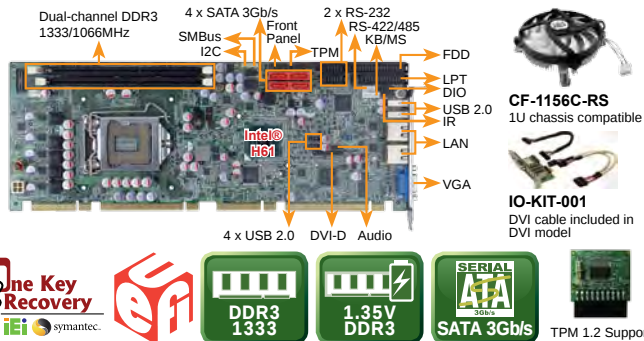


PCIE-H610

Full-size PICMG 1.3 CPU Card Supports 32nm LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® H61, DDR3, VGA, USB 2.0, SATA 3Gb/s, Dual Realtek PCIe GbE, HD Audio and RoHS



Features

1. Full-size PICMG 1.3 graphics grade solution
2. LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor supported
3. Dual-channel 1333/1066MHz DDR3/DDR3L SDRAM supported up to 16GB
4. Intel® HD Graphics technology integrates high-performance graphics and media processing
5. TPM V1.2 hardware security function supported by TPM module
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- ◆ PCH: Intel® H61
- ◆ Memory: Two 240-pin 1333/1066MHz dual-channel DDR3 & DDR3L (1.35V) DIMMs supported (system max. 16GB)
- ◆ 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 2048 x 1536 @75Hz), 1 x DVI-D (up to 1920 x 1200 @60Hz) (via header to IO-KIT-001-R20 DVI-D/USB module) (optional)
- ◆ Ethernet: Dual Realtek RTL8111E PCIe GbE controller (LAN1 with ASF 2.0 support)
- ◆ I/O Interface: 2 x RS-232, 1 x RS-422/485, 1 x LPT, 4 x SATA 3Gb/s, 1 x FDD, 1 x 6-pin wafer for KB/MS, 6 x USB 2.0 (2 by rear I/O, 4 by on-board pin header), 4 x USB 2.0 (4 by backplane pin header via golden finger)
- ◆ Super I/O: Fintek F81866
- ◆ PCIe Switch: TI XIO3130
- ◆ PCIe-PCI Bridge: ITE IT8892E
- ◆ TPM: 2 x 10-pin headers
- ◆ SMBus: 1 x 4-pin wafer
- ◆ I2C: 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-888HD 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 2GB 1333MHz DDR3 memory)
- ◆ Operating Temperature: -10°C ~ 60°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: GW: 1200g/NW: 420g

Packing List

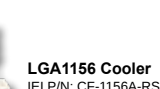
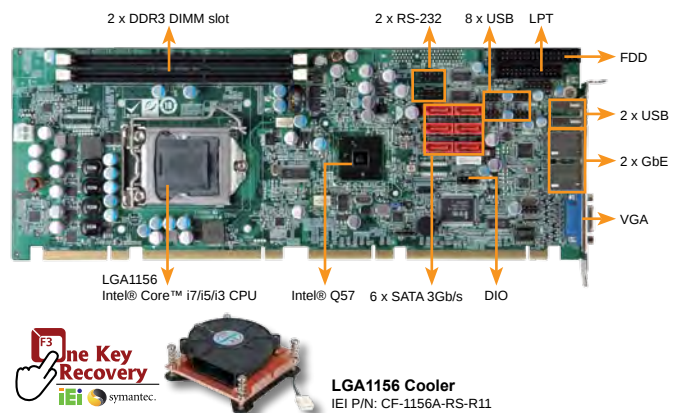
1 x PCIE-H610 single board computer	
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	
1 x USB cable (P/N: 19800-003100-200-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PCIE-H610-R10	Full-size PICMG 1.3 CPU card supports 32nm LGA1155 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 LGA1155 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
32205-003800-100-RS	RS-422/485 cable, 200mm
19800-000075-RS	KB/MS cable with bracket
SAIDE-KIT01-R10	SATA to IDE/CF converter board
32102-000100-200-RS	SATA power cable
32229-000100-100-RS	FDD flat cable
19800-000400-100-RS	LPT cable
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
CPU-DT-i5-2500T	Intel® Core™ i5-2500T processor, LGA1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-DT-i5-2390T	Intel® Core™ i5-2390T processor, LGA1155, dual core 2.7GHz, 3M cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-DT-i3-2120T	Intel® Core™ i3-2120T processor, LGA1155, dual core 2.6GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-P-G630T	Intel® Pentium® G630T processor, LGA1155, dual core 2.3GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-DT-C-G440	Intel® Celeron® G440 processor, LGA1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-RS CPU cooler
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W
CF-1156E-RS-R11	High performance LGA1155/LGA1156 cooler kit, 95W
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17

PCIE-Q57A

PICMG 1.3 with LGA1156 socket for Intel® Core™ i7/i5/i3/Pentium® CPU with VGA, Dual Intel® GbE, SATA 3Gb/s, COM, USB 2.0 and Audio, RoHS



Features

1. PICMG 1.3 with LGA1156 socket for Intel® Core™ i7/i5/i3/Pentium® processor
2. Supports dual-channel 8GB (max.) 800/1066/1333 MHz DDR3 SDRAM
3. Intel® GbE LAN controller with Intel® AMT 6.0 support
4. Fourteen USB 2.0 ports and two COM ports
5. Six SATA ports with RAID function
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: LGA1156 socket supports Intel® Core™ i7/i5/i3/Pentium® processor
- ◆ System Chipset: Intel® Q57
- ◆ BIOS: AMI BIOS
- ◆ Memory: 2 x 240-pin dual-channel DDR3 1333/1066/800 MHz up to 8GB
- ◆ 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: Intel® 82583V PCIe controller, Intel® 82578DM with Intel® AMT 6.0 supported by IEZman software UI
- ◆ I/O Interfaces: 2 x RS-232, 1 x LPT, 1 x 6-pin wafer on board for KB/MS, 14 x USB 2.0 (2 on rear side, 12 on board by pin-header), 6 x SATA II (RAID 0, 1, 5 and 10)
- ◆ Super I/O: ITE IT8718F
- ◆ Infrared Interface: 1 x 5-pin infrared connector
- ◆ Digital I/O: 8-bit Digital I/O (4-bit input/4-bit output)
- ◆ Audio: 7.1 channel supports dual audio streams via Realtek ALC888 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 2GB 1066MHz DDR3 memory)
- ◆ Temperature Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ Humidity Operation: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: GW: 1.1kg

Packing List

1 x PCIE-Q57A single board computer	1 x One Key Recovery CD
6 x SATA cable (P/N: 32801-000703-200-RS)	1 x Mini jumper pack
1 x Dual RS-232 cable (P/N: 19800-000051-RS)	1 x Utility CD
1 x USB cable (P/N: 19800-003100-200-RS)	1 x QIG

Ordering Information

Part No.	Description
PCIE-Q57A-R10	PICMG 1.3 with LGA1156 socket for Intel® Core™ processor with VGA, dual Intel® GbE, SATA II, COM, USB 2.0 and Audio, RoHS
AC-KIT-888HD-R10	7.1 channel HD audio kit with realtek ALC888 codec and dual audio streams
32102-000100-200-RS	SATA power cable
19800-000075-RS	KB/MS cable with bracket
32229-000100-100-RS	FDD flat cable
19800-000400-100-RS	LPT cable
19800-000100-200-RS	4-port USB cable
CF-1156A-RS-R11	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156E-RS-R11	High performance LGA1155/LGA1156 cooler kit, 95W

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Automation Control

5

ORing Network Communication

6

Power Supply/Peripherals

7

Panel Solutions Introduction