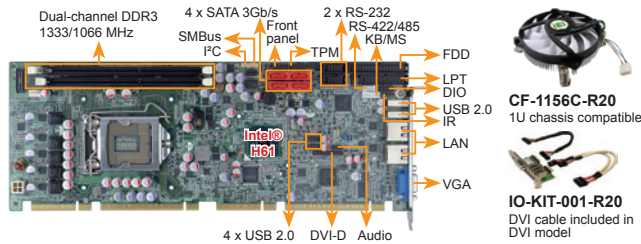


PCIE-H610

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



CF-1156C-R20
1U chassis compatible

IO-KIT-001-R20
DVI cable included in DVI model



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
- ◆ Chipset: Intel® H61
- ◆ Memory: Two 240-pin 1333/1066 MHz dual-channel unbuffered DDR3 & DDR3L SDRAM DIMMs support up to 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
- ◆ TPM: 1 x TPM (2x10 pin)
- ◆ SMBus: 1 x SMBus (1x4 pin)
- ◆ I²C: 1 x I²C (1x4 pin)
- ◆ Infrared Interface: 1 x Infrared Interface (1x5 pin)
- ◆ Digital I/O: 8-bit digital I/O (2x5 pin)
- ◆ External I/O Interface: 2 x USB 2.0
- ◆ Audio: Supports by IEI AC-KIT-892HD-R10 audio kit
- ◆ Internal I/O Interface
1 x FDD (2x17 pin) 1 x KB/MS (1x6 pin)
1 x LPT (2x13 pin) 4 x SATA 3Gb/s
1 x RS-422/485 (1x4 pin, P=2.0)
2 x RS-232 (2x5pin, P=2.54)
4 x USB 2.0 (2x4 pin, P=2.54)
4 x USB 2.0 (Golden finger)
- ◆ Front Panel
1 x Front panel (2x7 pin), power LED, HDD LED, speaker, power button, reset button)
- ◆ Expansion: PCIe signal and PCI signal via golden finger
- ◆ Watchdog Timer: Software programmable supports 1-255 sec. system reset
- ◆ Fan Connector: 1 x Smart fan (1x4 pin)
- ◆ 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: GW: 1200g / NW: 420g
- ◆ CE/FCC compliant

Packing List

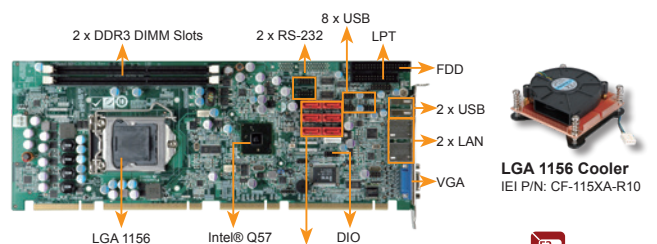
| | |
|-------------------------------------|----------------------|
| 1 x PCIE-H610 single board computer | 4 x SATA cable |
| 1 x Dual RS-232 cable | 1 x Mini jumper pack |
| 1 x USB cable | 1 x QIG |

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 flat cable, 240mm, P=2.54 |
| 19800-000075-RS | PS/2 KB/MS cable with bracket, 220mm, P=2.0 |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |
| 32200-000017-RS | FDD Cable, 520mm, P=2.54 |
| 32205-003800-300-RS | RS-422/485 cable, 200mm, P=2.0 |
| AC-KIT-892HD-R10 | 7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams |
| CF-115XA-R10 | High performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W |
| CF-1156C-R20 | LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 45W |
| CF-1156D-R20 | LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 65W |
| CF-115XE-R10 | High performance LGA 1155/LGA 1156 cooler kit, 95W |
| CPU-DT-C-G440 | Intel® Celeron® C440 processor, LGA 1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-R20 CPU cooler |
| CPU-DT-I3-2120T | Intel® Core™ i3-2120T processor, LGA 1155, dual core 2.6GHz, 3M cache, 35W, compatible with CF-1156C-R20 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-R20 CPU cooler |
| CPU-DT-I5-2500T | Intel® Core™ i5-2500T processor, LGA 1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-R20 CPU cooler |
| CPU-DT-P-G630T | Intel® Pentium® G630T processor, LGA 1155, dual core 2.3GHz, 3M cache, 35W, compatible with CF-1156C-R20 CPU cooler |
| SAIDE-KIT01-R10 | SATA to IDE/CF converter board |
| TPM-IN01-R20 | 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-115XA-R10



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
- ◆ Chipset: Intel® Q57
- ◆ BIOS: AMI BIOS
- ◆ Memory
Two 240-pin 1333/1066 MHz dual-channel unbuffered DDR3 SDRAM DIMMs support 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
- ◆ External I/O Interface: 2 x USB 2.0
- ◆ Internal I/O Interface
1 x FDD (2x17 pin) 1 x KB/MS (1x6 pin)
1 x LPT (2x13 pin) 2 x RS-232 (2x5pin, P=2.54)
4 x USB 2.0 (Golden finger)
6 x SATA 3Gb/s (RAID 0/1/5/10 supported)
8 x USB 2.0 (2x4 pin, P=2.54)
- ◆ Infrared Interface
1 x Infrared Interface (1x5 pin)
- ◆ Digital I/O
8-bit digital I/O (2x5 pin)
- ◆ Audio
Supports 7.1-channel HD Audio by IEI AC-KIT-892HD-R10 kit
- ◆ Watchdog Timer
Software programmable supports 1-255 sec. system reset
- ◆ Fan Connector
1 x CPU smart fan (1x4 pin)
1 x System smart fan (1x4 pin)
- ◆ 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: GW: 1100g
- ◆ CE/FCC compliant

Packing List

| | |
|-------------------------------------|----------------------|
| 1 x PCIE-Q57A single board computer | 6 x SATA cable |
| 1 x Dual RS-232 cable | 1 x Mini jumper pack |
| 1 x USB cable | 1 x QIG |

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 flat cable, 240mm, P=2.54 |
| 19800-000075-RS | PS/2 KB/MS cable with bracket, 220mm, P=2.0 |
| 19800-000100-100-RS | Quad-port USB cable, 300mm, P=2.54 |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |
| 32200-000017-RS | FDD Cable, 520mm, P=2.54 |
| AC-KIT-892HD-R10 | 7.1-channel HD Audio kit with Realtek ALC892 codec and dual audio streams |
| CF-115XA-R10 | High performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W |
| CF-115XE-R10 | High performance LGA 1155/LGA 1156 cooler kit, 95W |