PCIE-Q57A
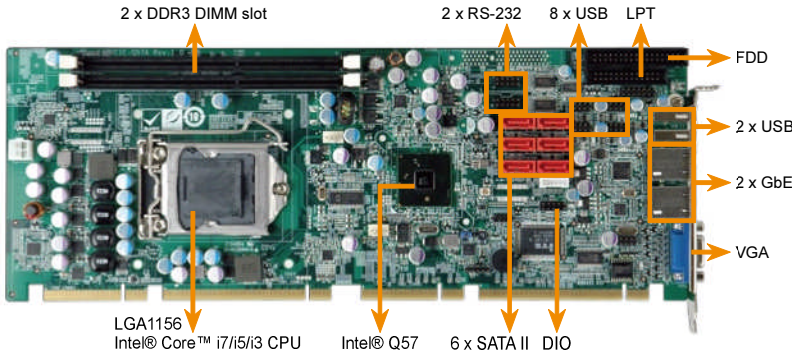
PICMG 1.3 with LGA1156 socket for Intel® Core™ i7/i5/i3 processor with VGA, Dual Intel® GbE, SATA 3Gb/s, COM, USB 2.0 and Audio, RoHS

2 x DDR3 DIMM slot   2 x RS-232   8 x USB   LPT

FDD

2 x USB

2 x GbE

VGA

LGA1156
Intel® Core™ i7/i5/i3 CPU   Intel® Q57   6 x SATA II   DIO

One Key [F3] Recovery
iEi ◯ symantec.

LGA1156 Cooler
IEI P/N: CF-1156A-RS

Yellow means long-term support

Intel® Core™ i7/ i5/ i3 processor suggestion table

CPU No.	Process	Core	CPU Code	Clock speed	L2 cache	TDP	iAMT6.0
i7-870				2.93G	8M	95W	
i7-860	45nm	4	Lynnfield	2.8G	8M	95W	V
i5-750				2.66G	8M	95W	
i5-660				3.33G	4M	73W	V
i3-540	32nm	2	Clarkdale	3.06G	4M	73W	
G6950				2.8G	3M	73W	

KVM remote control

With iAMT6.0 technology, the PCIE-Q57A provides IT personnel with graphical support for PC diagnosis, repair and maintenance through redirection of keyboard, video or mouse.

Specifications

Intel® Matrix Storage Manager   DDR 3 1333   SERIAL ATA SATA 3Gb/s   Hi-Speed USB   Gigabit Ethernet GbE

- ◆ **CPU**
  LGA1156 socket supports Intel® Core™ i7/i5/i3 (Quad Core/Dual Core) 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**
  VGA Intgrated in Intel® Q57
  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 graphic card must be installed in order to support display output. Otherwise, the display will show "No display output" when connected to the onboard 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 FDD
  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, 10)
- ◆ **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 kits
- ◆ **Super I/O**
  ITE IT8718F
- ◆ **Watchdog Timer**
  Software Programmable support 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 (Support 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)
- ◆ **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

Features

1. PICMG 1.3 with LGA1156 socket for Intel® Core™ i7/ i5/ i3 processor
2. Support dual-channel 8GB (max.) 800/1066/1333 HMz 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

Packing List

1 x PCIE-Q57A single board computer
1 x Mini jumper pack
6 x SATA cable (P/N: 32000-062800-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x USB cable (P/N CB-USB02-RS)
1 x Utility CD
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, SATAII, 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
32200-000017-RS	FDD flat cable
19800-000400-100-RS	LPT cable
19800-000100-200-RS	4-port USB cable
CF-1156A-RS	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156B-RS	High performance LGA1155/LGA1156 cooler kit, 95W

1 Industrial Computing Solutions
2 Video Capture Solutions
3 Embedded Computing Solutions
4 Industrial Data Collector and Controller
5 Panel Solutions Introduction
6 ORing Network Communication
7 Power Supply/ Peripherals