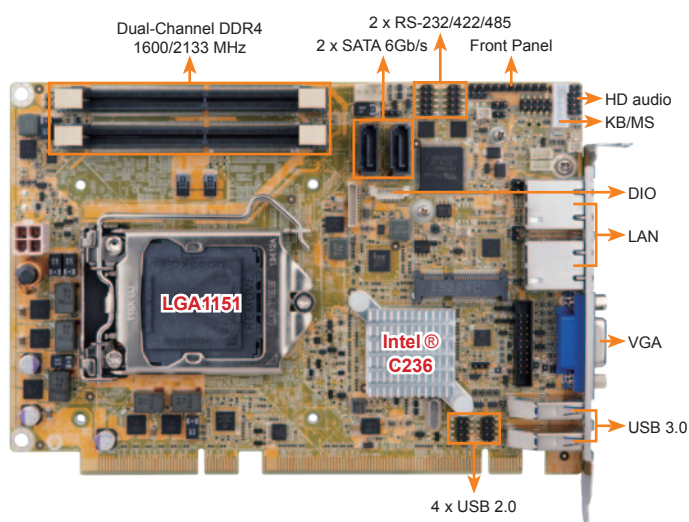


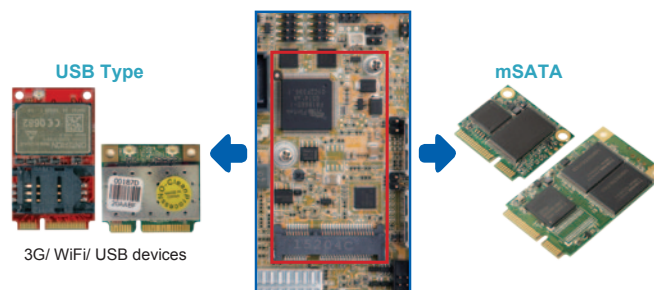
# HPCIE-C236

Half-size PICMG 1.3 CPU Card supports LGA1151 Intel® Xeon® E3, Core™ i3/ Pentium®/Celeron® CPU per Intel® C236, ECC & non-ECC DDR4 SO-DIMM, VGA/iDP, Dual Intel® PCIe GbE, USB3.0, SATA 6Gb/s, mSATA, HD Audio, iAMT and RoHS



PCIe mini slot provides mSATA and USB signal for mSATA SSD and wireless LAN card with full-size or half-size devices.

**New**



## Specifications

- ◆ CPU  
LGA1151 Intel® 6th generation Intel® Xeon® E3-1200 v5, Core™ i3, Pentium® and Celeron® processor
- ◆ PCH  
Intel® C236
- ◆ Memory  
Two 260-pin 1600/2133MHz Dual-Channel DDR4 SODIMM ECC & non-ECC unbuffered Memory supported up to 32GB
- ◆ BIOS  
UEFI BIOS
- ◆ Graphic Engine  
Intel® HD Graphics Gen 9 supports DX11/12, OpenCL 2.x and OpenGL 4.3/4.4 Decode/Encode for HEVC, VP8, VP9, VDENC
- ◆ Display Output  
1 x VGA (via Chrontel CH7517A, up to 1920x1200 @ 60 Hz)  
1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160 @60 Hz)
- ◆ Ethernet  
LAN1: Intel® I219LM Clarkville-V with Intel® AMT 11.0 supported  
LAN2: Intel® I210 PCIe controller
- ◆ External I/O  
1 x VGA  
2 x RJ-45  
2 x USB 3.0
- ◆ Internal I/O  
1 x 6-pin wafer for KB/MS      1 x iDP  
2 x RS-232/422/485      4 x USB 2.0 (by pin header)  
2 x SATA 3.0 (SATA0, SATA1) (Q170 supports RAID 0, 1)
- ◆ Front Panel  
1 x Front Panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED  
2 x LAN LED (1x2 pin)
- ◆ Audio  
Support 7.1 channel HD audio by IEI AC-KIT-892HD kit
- ◆ SMBus  
1 x SMBus (1x4 pin)
- ◆ I<sup>2</sup>C  
1 x I<sup>2</sup>C (1x4 pin)
- ◆ Expansion  
16 lanes PCIe signal from CPU via golden finger (support x16 or x8 + x8 or x4 + x4 + x8)  
4 lanes PCIe signal from Q170 via golden finger  
1 x PCIe mini Supports mSATA & USB 2.0 mSATA
- ◆ Watchdog Timer  
Software programmable support 1~255 sec. system reset
- ◆ Digital I/O  
1 x 8-bit digital I/O (2x5 pin)
- ◆ Fan Connector  
1 x 4-pin Smart fan connector (CPU fan)
- ◆ Power Supply  
5V/12V, AT/ATX support
- ◆ Operating Temperature  
-20°C ~ 60°C
- ◆ Operating Humidity  
10% ~ 95%, non-condensing
- ◆ Dimensions  
169 mm x 126 mm
- ◆ Weight  
GW: 1000g / NW: 420g

## Features

- PICMG 1.3 half-size CPU Card
- LGA1151 Intel® 6th generation Intel® Xeon® E3, Core™ i3, Pentium® and Celeron® processor supported
- Two 260-pin 1600/2133MHz Dual-Channel DDR4 ECC & non-ECC SODIMM supported up to 32GB
- Supports dual independent display by VGA & internal DP pin header
- PCIe mini Supports mSATA & USB 2.0
- Intel® PCIe GbE with Intel® AMT 10.0 supported
- Supports RAID 0, 1 function via SATA 6Gb/s
- IEI jumper-less function

## Packing List

1 x HPCIE-C236 Single Board Computer	
1 x SATA Cable (P/N: 32000-0628000-RS)	
1 x Utility CD	1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
HPCIE-C236-R10	Half-size PICMG 1.3 CPU Card supports LGA1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® CPU per Intel® C236, ECC & non-ECC DDR4 SO-DIMM, VGA/iDP, Dual Intel® PCIe GbE, USB3.0, SATA 6Gb/s, mSATA, HD Audio, iAMT and RoHS
19800-000075-RS	KB/MS cable with Bracket
32102-000100-200-RS	SATA Power Cable
32200-074800-RS	RS-422/485 cable, 200mm
AC-KIT-892HD-R10	7.1 channel HD Audio kit with Realtek ALC892 support dual audio streams
CF-1150SA-R10	Special cooler kit for LGA1150, High-performance compatible, 95W
CF-1150SB-R10	Special cooler kit for LGA1150, High-performance compatible, 65W
CF-1150SC-R20	Special cooler kit for LGA1150, 1U chassis compatible, 65W
CF-1150SE-R10	Special cooler kit for LGA1150, 1U chassis compatible, 95W
CF-1150SF-R10	Special cooler kit for LGA1150, 1U chassis compatible, 54W
DP-DP-R10	DisplayPort to DisplayPort converter board (for iEi iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for iEi iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for iEi iDP connector)
DP-LVDS-R10	DisplayPort to LVDS converter board (for iEi iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for iEi iDP connector)
SAIDE-KIT01-R10	SATA to IDE/CF Converter board