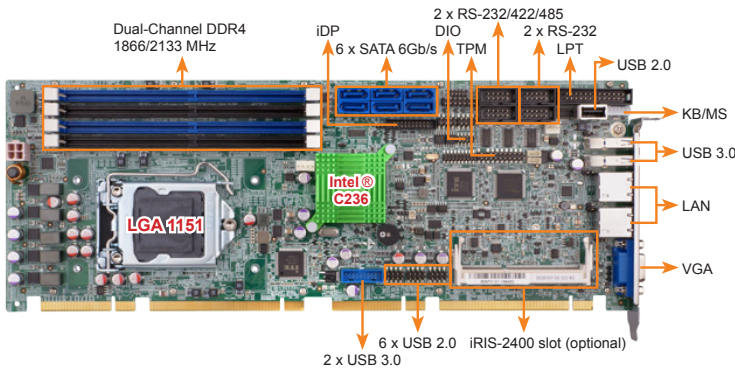


# SPCIE-C236

Full-size PICMG 1.3 CPU Card supports LGA 1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® CPU per Intel® C236, ECC & non-ECC DDR4, VGA/IDP, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, PCIe mini, mSATA, HD Audio, Intel® AMT, iRIS-2400 and RoHS



## PCIe Mini & mSATA coloy



Mini PCIe interface provide SATA, PCIe x1 and USB signal such as mSATA, PCIe device, and wireless LAN card for full-size or half-size devices.



## Specifications

- ◆ CPU  
LGA 1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® processor supported
- ◆ PCH  
Intel® C236
- ◆ Memory  
Four 288-pin 1867/2133MHz Dual-Channel DDR4 ECC & non-ECC unbuffered DIMM supported up to 64GB
- ◆ 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  
Supports dual independent display  
One VGA (via Chrontel CH7517A, up to 1920x1200@60 Hz)  
One iDP interface for HDMI, LVDS, VGA, DVI and DisplayPort (up to 3840x2160@60 Hz)
- ◆ Ethernet  
LAN1: Intel® I219LM Clarkville-V with Intel® AMT 11.0 supported  
LAN2: Intel® I210 PCIe controller
- ◆ Super I/O  
Fintek F81866
- ◆ EC  
iWDD
- ◆ External I/O  
2 x USB 3.0  
2 x RJ-45  
1 x VGA
- ◆ Internal I/O  
1 x 6-pin wafer for KB/MS                      2 x RS-232  
1 x iDP    2 x RS-232/422/485  
1 x LPT    2 x USB 3.0 (19-pin box header)  
6 x SATA 3.0 (6Gb/s) (C236 supports RAID 0, 1, 5, 10)  
7 x USB 2.0 (1 type A 180°, 6 by pin header)
- ◆ Front Panel  
1 x Front Panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED  
2 x 2 Pin for LAN1 LED, LAN2 LED (Active)
- ◆ Audio  
Support 7.1 channel HD audio by IEI AC-KIT-892HD kit
- ◆ TPM  
2 x 10-pin pin header
- ◆ SMBus  
1 x 4-pin wafer
- ◆ PC  
1 x 4-pin wafer
- ◆ iRIS Remote Management Module  
1 x iRIS-2400 slot (optional)
- ◆ Expansion  
**16-lane PCIe link from CPU via golden finger:**  
Supports one PCIe x16, or two PCIe x8, or one PCIe x8 + two PCIe x4 on the backplane (configured via BIOS)  
**4-lane PCIe link from PCH via golden finger:**  
Supports four PCIe x1 slots or one PCIe x4 slot on the backplane (configured via BIOS switch)  
One PCIe Mini
- ◆ Watchdog Timer  
Software programmable support 1~255 sec. system reset
- ◆ Digital I/O: 8-bit digital I/O
- ◆ Fan Connector  
1 x 4-pin smart fan connector (CPU fan)  
1 x 3-pin smart fan connector (system fan)
- ◆ Power Supply: 5V/12V, AT/ATX support
- ◆ Power Consumption  
5V@3.22A, 12V@6.81A, 3.3V@1.21A, 5VSB@0.18A  
(Intel® Xeon® E3-1275 v5 3.60 GHz CPU with 64GB (16GBx4) 2133 MHz DDR4 memory)
- ◆ Operating Temperature: -20°C ~ 60°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 126 mm
- ◆ Weight: GW: 1000g / NW: 420g



## Features

- PICMG 1.3 full-size CPU Card
- LGA 1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® processor supported
- Four 288-pin 1867/2133MHz DDR4 ECC & non-ECC unbuffered DIMM
- Supports dual independent display by VGA & internal DP pin header
- Supports mini-PCIe device & mSATA via mini-PCIe socket
- Intel® PCIe GbE with Intel® AMT 11.0 supported
- Supports RAID 0, 1, 5, 10 function via SATA 6Gb/s
- TPM 1.2 & 2.0 hardware security function supported by TPM module

## Packing List

1 x SPCIE-C236 single board computer	
1 x SATA cable (P/N: 32000-0628000-RS)	1 x QIG (Quick Installation Guide)
1 x Mini jumper pack	1 x Utility CD

## Ordering Information

Part No.	Description
SPCIE-C236-R10	Full-size PICMG 1.3 CPU Card supports LGA 1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® CPU per Intel® C236, ECC & non-ECC DDR4, Dual Intel® PCIe GbE, USB 3.0, VGA/IDP, SATA 6Gb/s, PCIe mini, mSATA, HD Audio, Intel® AMT and RoHS
SPCIE-C236-i2-R10**	Full-size PICMG 1.3 CPU Card supports LGA 1151 Intel® Xeon® E3, Core™ i3/Pentium®/Celeron® CPU per Intel® C236, ECC & non-ECC DDR4, Dual Intel® PCIe GbE, USB 3.0, VGA/IDP, SATA 6Gb/s, PCIe mini, mSATA, HD Audio, Intel® AMT, iRIS-2400 and RoHS
19800-000075-RS	KB/MS cable with bracket
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT Cable
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-R11	Special cooler kit for LGA1150, High-performance compatible, 65W
CF-1150SC-R20	Special cooler kit for LGA1150, 1U chassis compatible, 65W
CF-1150SE-R11	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

\*\*By order production, MOQ: 100