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/IPD, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, PCle mini, mSATA, HD Audio, Intel® AMT, IRIS-2400 and RoHS

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 4.3/4.4
- Decode/Encode
  - Supports dual independent display
- Ethernet
  - LAN1: Intel® I210LM Clarkville-V with Intel® AMT 11.0 supported
  - LAN2: Intel® I210 PCIe controller
- Super I/O
  - Fintek FB1866
- EC
- IWDD
- External I/O
  - 2 x USB 3.0
  - 2 x RJ-45
  - 1 x VGA
- Internal I/O
  - 1 x 6-pin power for KB/MS
  - 1 x I2C
  - 1 x LPC
- 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 EIEI 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(±5%), 12V, ±1% VSB (3.3V)
- 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

Packaging List

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

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, PCle mini, mSATA, HD Audio, Intel® AMT, IRIS-2400 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, PCle 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, 1U chassis 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-R10 Special cooler kit for LGA1150, High-performance compatible, 95W
CF-1150SF-R10 Special cooler kit for LGA1150, 1U chassis compatible, 54W
DP-DP-R10 DisplayPort to DisplayPort converter board (for iEi IPD connector)
DP-DVI-R10 DisplayPort to DVI-D converter board (for iEi IPD connector)
DP-HDMI-R10 DisplayPort to HDMI converter board (for iEi IPD connector)
DP-LVDS-R10 DisplayPort to LVDS converter board (for iEi IPD connector)
DP-VGA-R10 DisplayPort to VGA converter board (for iEi IPD connector)
SAIDE-HI2T01-R10 SATA to IDE/CF Converter board

**By order production, MOQ: 100