# Single Board Computer

***Full-size***

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**SPCIE-C2260-i2**

***Full-size PICMG 1.3 CPU Card supports LGA 1150 Intel® Xeon® E3, Core™ i3, Pentium® and Celeron® with Intel® C226, DDR3, VGA, iDP, Dual Intel® PCIe GbE, SATA 6Gb/s, mSATA, PCIe Mini, RS-232, HD Audio, iRIS-2400 and RoHS***

Dual-channel DDR3 1600/1333 MHz

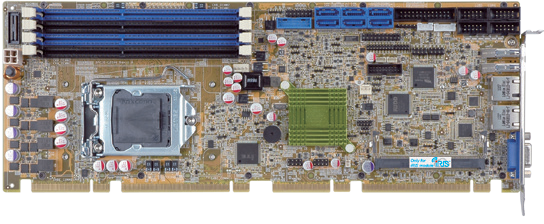
Front panel

RS-422/485



***PICMG 1.3 Server Grade Solution***

2 x USB 3.1 Gen 1



6 x SATA 6Gb/s

LPT

4 x RS-232

### LGA 1150

**Intel** ®

**C226**

KB/MS

USB 3.1 Gen 1 DIO

LAN1

Combo RJ-45

LAN2/IPMI VGA



4 x USB 2.0

TPM iDP

**Slot for iRIS-2400 module** TPM 2.0 Support

# *Specifications*

CPU

LGA 1150 Intel® Xeon® E3, Core™ i3, Pentium® or Celeron® processor supported Chipset

Intel® C226

## DDR3

1600/1333 Dual GbE

***Features***

***USB***

## USB 3.1

SATA 6Gb/s

mSATA

iDP

Memory



SPCIE-C2260-i2-2019-V10

Four 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM ECC and non- ECC unbuffered DIMMs support up to 32 GB

BIOS

UEFI BIOS

Graphics Engine

Intel® HD Graphics Gen 7.5 supports DX11.1 and OpenCL 1.2, OpenGL 3.2 Full MPEG2, VC1, AVC Decode

Display Output

1 x VGA (up to 1920x1200@60 Hz)

1. x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60 Hz) Ethernet

LAN1: Intel® I217LM with Intel® AMT 9.0 support

LAN2: Intel® I210-AT PCIe controller with NCSI support Audio

Supports 7.1-channel HD Audio by IEI AC-KIT-892HD-R10 kit

External I/O Interface

1. x USB 3.1 Gen 1 (5Gb/s) Internal I/O Interface

1 x KB/MS (1x6 pin)

1. x LPT (2x13 pin) 1 x mSATA

1 x RS-422/485 (1x4 pin, P=2.0)

1. x USB 3.1 Gen 1 (5Gb/s) (2x10 pin)

4 x USB 2.0 (Golden finger)

4 x USB 2.0 (2x4 pin, P=2.54)

4 x RS-232 (2x5pin, P=2.54)

6 x SATA 6Gb/s (RAID 0/1/5/10 supported) LAN LED

2 x LAN LED (1x2 pin)

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) Front Panel

1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)

iRIS Remote Management Module 1 x iRIS-2400 slot

Expansion

PCIe signal and PCI signal via golden finger

1 x Full-size PCIe Mini card slot (colay mSATA) Watchdog Timer

Software programmable, supports 1~255 sec. system reset

Fan Connector

1 x CPU smart fan (1x4 pin)

1 x System smart fan (1x3 pin) Power Supply

5V/12V, AT/ATX support

Power Consumption

[5V@3.55A,](mailto:5V@3.55A) [12V@0.37A,](mailto:12V@0.37A) [Vcore\_12V@7.61A,](mailto:Vcore_12V@7.61A) [3.3V@1.55A,](mailto:3.3V@1.55A) [5VSB@0.13A](mailto:5VSB@0.13A) (Intel® E3-

1240 v3 3.4GHz CPU with 16 GB (four 4 GB) 1333 MHz DDR3 memory) Operating Temperature: -20°C ~ 60°C

Storage Temperature: -30°C ~ 70°C

Operating Humidity: 5% ~ 95%, non-condensing

Dimensions: 338 mm x 126 mm Weight: GW: 1200g / NW: 420g CE/FCC compliant

* PICMG 1.3 full-size server grade solution
* LGA 1150 Intel® Xeon® E3, Core™ i3, Pentium® or Celeron® processor supported
* Four 240-pin 1600/1333 MHz dual-channel DDR3 DIMMs support up to 32 GB
* Supports dual independent display by VGA and iDP interfaces
* Supports PCIe Mini devices and mSATA via PCIe Mini socket
* Supports RAID function via SATA 6Gb/s
* Stiffener bars
* IEI jumper-less function
* Supports IPMI 2.0 via iRIS-2400 module

# *Packing List*

|  |
| --- |
| 1 x SPCIE-C2260-i2 single board computer |
| 1 x Dual RS-232 cable |
| 1 x USB 2.0 cable |
| 2 x SATA cable |
| 1 x QIG |

***Ordering Information***

|  |  |
| --- | --- |
| Part No. | Description |
| SPCIE-C2260-i2-R10 | Full-size PICMG 1.3 CPU card supports LGA 1150 Intel® Xeon® E3, Core™ i3, Pentium® and Celeron® with Intel® C226, DDR3, VGA, iDP, Dual Intel® PCIe GbE, SATA 6Gb/s, mSATA, RS-232, PCIe Mini, HD Audio, iRIS-2400 and RoHS |
| iRIS-2400-R10 | IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO- DIMM socket interface |
| 19800-000049-RS | LPT flat cable, 240mm, P=2.54 |
| 19800-000075-RS | PS/2 KB/MS cable with bracket, 220mm, P=2.0 |
| 19800-010500-200-RS | USB 3.1 Gen 1 (5Gb/s) cable with bracket, 450mm |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |
| 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-1150SB-R11 | Special cooler kit for LGA 1150, high-performance compatible, 65W |
| CF-1150SC-R20 | Special cooler kit for LGA1150, 1U chassis compatible, 65W |
| CF-1150SE-R11 | 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 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) |
| TPM-IN01-R20 | 20-pin Infineon TPM module, software management tool, firmware v3.17 |