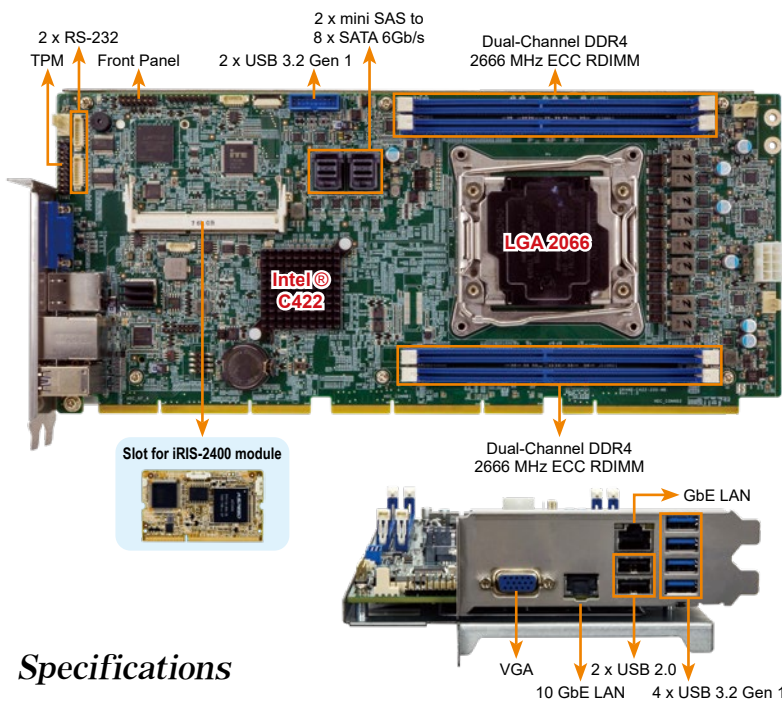


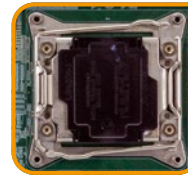
PEMUX-XEW1

Full-size PEMUX CPU Card supports LGA2066 Intel® Xeon® W CPU per, Intel® C422, DDR4 ECC RDIMM, IPMI VGA output, Aquantia 10GbE, USB 3.2 Gen 1 (5Gb/s), SATA 6Gb/s, M.2 and RoHS



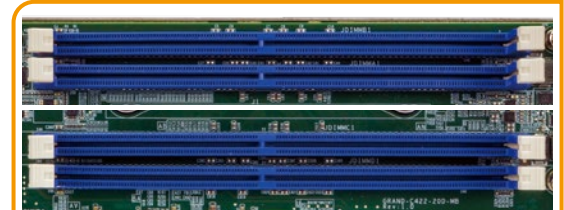
Specifications

- ◆ Form Factor
PEMUX Full-size CPU card (12 layers)
- ◆ CPU
LGA2066 socket supports Intel® Xeon W processor
- ◆ Chipset
Intel® C422
- ◆ Memory
Four 288-pin Dual-Channel DDR4 ECC RDIMM/LRDIMM supported up to 256GB
- ◆ BIOS
UEFI BIOS
- ◆ Super I/O
Fintek F81216D
- ◆ EC
iWDD
- ◆ Display Output
1 x IPMI VGA display
- ◆ Ethernet
LAN1: 1 GbE NIC: Intel® i210-AT with NCSI support
LAN2: 10 GbE NIC: Aquantia AQC107
- ◆ External I/O Interface
2 x USB 2.0
4 x USB 3.2 Gen 1 (5Gb/s)
- ◆ Internal I/O Interface
1 x M.2 2280
1 x USB DOM header
2 x mini SAS 8643 (for 8 x SATA 6Gb/s)
2 x RS-232 by pin header
2 x USB 3.2 Gen 1 (5Gb/s) pin header
- ◆ Front Panel
1 x Front Panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ Audio
2 x 5-pin pin header
- ◆ TPM
2 x 10-pin pin header
- ◆ SMBus
1 x SMBus to backplane
- ◆ Expansion
56-Lane PCIe signal via golden finger
- ◆ Watchdog Timer
software Programmable support 1~255 sec. System reset
- ◆ Fan Connector
1 x 4-pin Smart fan connector (CPU fan)
2 x 4-pin Smart fan connector (System CPU fan)
- ◆ Power Supply
5V/12V, AT/ATX support
- ◆ Operating Temperature
-20°C ~ 40°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
338.58 mm x 150.5 mm
- ◆ Weight
700g



LGA 2066

Support Intel® Xeon W series CPU



Four 288-pin DDR4 ECC RDIMM/LRDIMM Supported

Four 288-pin 2666MHz dual-channel DDR4 SDRAM ECC RDIMM / LRDIMM (system max.256GB) supports in IEI full-size server grade CPU card.



PEMUX can provide up to 56 lane PCIe signals to the backplane. With the maximization of PCIe lane signal quantity, we need the brand new pin define for supporting all signals pass through to the backplane, we called PEMUX design which defined by IEI.



TPM 2.0 Support



Features

- PEMUX full-size server / graphic grade solution
- LGA2066 socket supports Intel® Xeon W processor
- Four 288-pin Dual-Channel DDR4 ECC RDIMM/LRDIMM supports up to 256GB
- Supports IPMI VGA display.
- Supports M.2 2280 SSD
- Intel® PCIe GbE Intel® i210-AT with NCSI support
- Aquantia AQC107 10 GbE NIC
- Supports RAID function via SATA 6Gb/s
- TPM V2.0 hardware security function supported by TPM module

Packing List

- 1 x PEMUX-XEW1 single board computer
- 1 x mini SAS to 4 SATA cable
- 1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PEMUX-XEW1-R10	Full-size PEMUX CPU Card supports LGA2066 Intel® Xeon® W C422, DDR4 ECC RDIMM/LRDIMM, VGA, Intel® PCIe GbE, Aquantia 10GbE, USB 3.2 Gen 1 (5Gb/s), USB 2.0, SATA 6Gb/s, HD Audio, IPMI and RoHS
32102-000100-200-RS	SATA Power Cable
CF-2011B-RS	High performance LGA1355/1356/2011 cooler kit, 130W
iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface
32037-000600-100-RS	1 x mini SAS to 4 SATA Cable
32005-005000-100-RS	RS-232 cable