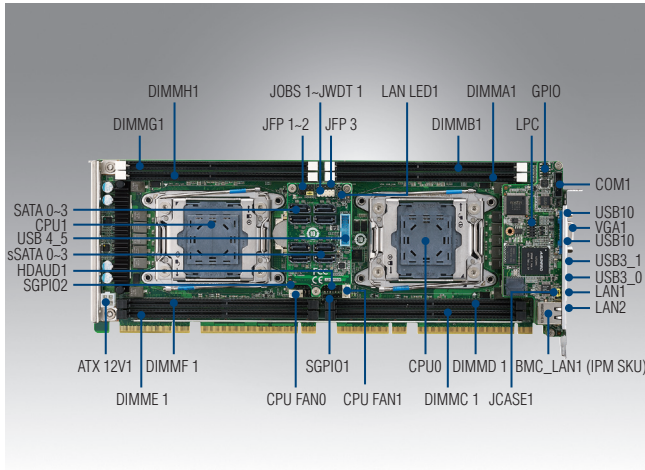


PCE-9228

**Dual LGA 2011-R3 Intel Xeon®
E5-2600v3 SHB Server Board with C612,
DDR4/SATA3.0/USB3.0/Dual GbE**



CE FCC

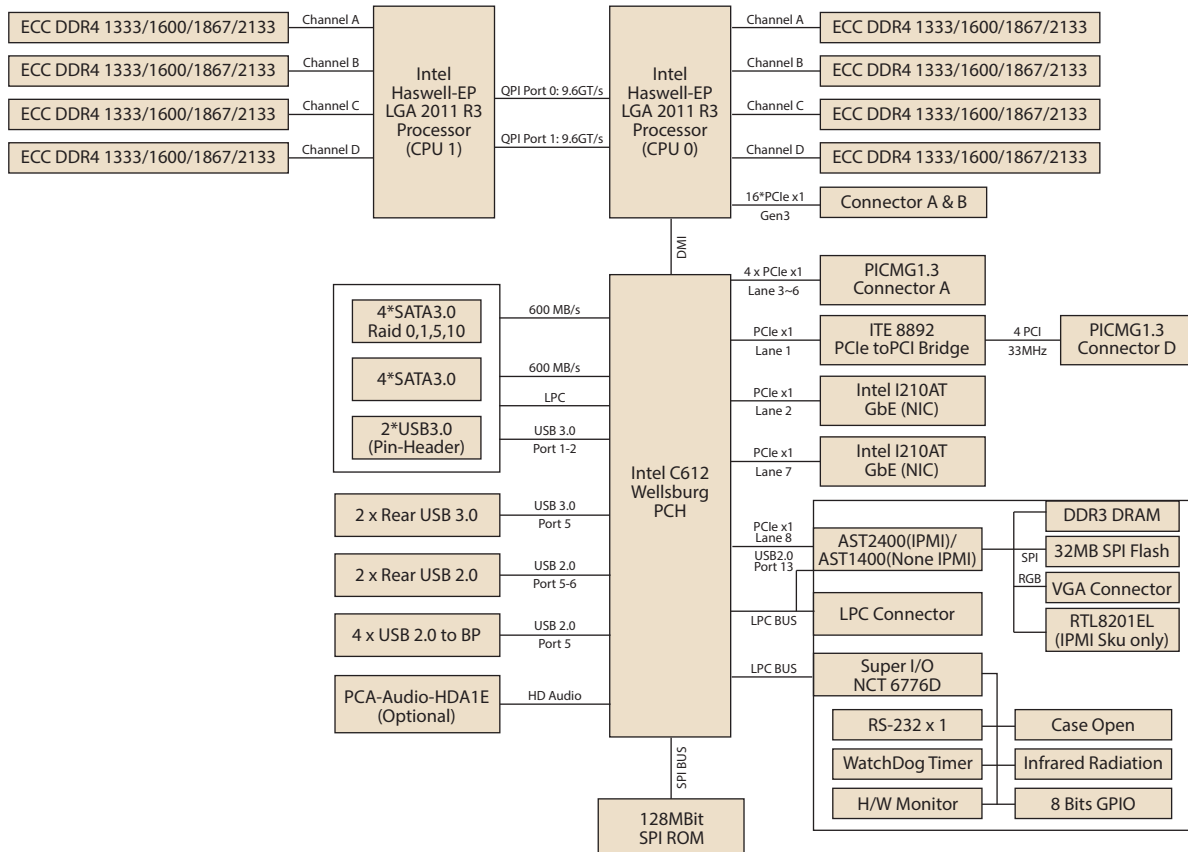
Features

- Supports Dual Intel Xeon E5-2600v3 series processors with C612
- Supports DDR4 2133MHz RDIMM up to 256GB
- Supports PCIe3.0,USB3.0,SW raid 0, 1, 5, 10
- Supports out-of-band remote management with IPMI
- 0 ~ 40 °C ambient operation temperature range

Specifications

| | | | | | |
|--------------------------|-------------------------------|--|-------|----------------------------|-------------|
| Processor System | Socket | Intel LGA 2011-R3 | | | |
| | CPU type | Intel Xeon E5-2600(v3) dual processor (TDP up to 120W per CPU) | | | |
| Core Logic | Chipset | Intel C612 chipset | | | |
| Memory | Total slots | 8 (Quad Channel) | | | |
| | Capacity | Maximum 256 GB ECC RDIMM | | | |
| | Memory type | DDR4 ECC-REG 2133/1866/1600/1333 MHz DIMM | | | |
| | Memory size | 1 GB, 2 GB, 4 GB, 8 GB, 16 GB, 32 GB | | | |
| Bus | PCI-Express | PICMG1.3: One PCIe x16 or Two PCIe x8, PCIe x4 from PCH | | | |
| | PCI | Four PCI 32bit/33MHz | | | |
| Graphics | VGA | Aspeed AST2400/1400 64 MB | | | |
| Storage | SATA controller | 8 SATA 3.0 ports support software raid 0, 1, 5, 10 | | | |
| Networking | GbE LAN | 2 x Intel I210AT | | | |
| Onboard I/O Connectors | USB connector | 2 USB 3.0 ports in one pin header | | | |
| | CPU Fan header | 2 x 4-pin | | | |
| | GPIO | 1 | | | |
| | LAN LED | 1 | | | |
| | Audio Header | 1 | | | |
| | Serial port header | 1 (Pin header 2.0 pitch) | | | |
| Rear I/O Connectors | External USB port | 4 (2*USB2.0 + 2*USB3.0) | | | |
| | VGA port | 1 | | | |
| | RJ-45 | 3 (1 port dedicated for IPMI function) | | | |
| Management Solution | Software | SUSIAccess | | | |
| | Out of band remote management | IPMI (PCE-9228G2I sku only) | | | |
| Watchdog Timer | Output | System reset | | | |
| | Interval | Programmable 1 ~ 255 sec/min | | | |
| Power Requirement | Power On | 3.3V | 5V | 12V | 5Vsb -12V |
| | E5-2680v3 x2 | | | | |
| | DDR4 RDIMM 16GB x8 | 2.61A | 1.07A | 26.73A | 0.07A 0.01A |
| Environment | | Operating | | Non-operating | |
| | Temperature | 0 ~ 40 °C, depends on CPU speed and cooler solution | | -40 ~ 85 °C | |
| | Humidity | 10% ~ 95% | | 10% ~ 95% (Non condensing) | |
| Physical Characteristics | Dimensions (L x H) | 338 x 122 mm (13.3" x 4.8") | | | |

Block Diagram



Ordering Information

| Part Number | Chipset | Memory | GbE LAN | IPMI | VGA Chip |
|-------------------|---------|------------|---------|------|----------|
| PCE-9228G2-00A1E | C612 | DDR4 RDIMM | 2 | - | AST 1400 |
| PCE-9228G2I-00A1E | C612 | DDR4 RDIMM | 2 | Yes | AST 2400 |

Note: "I" sku features a dedicated LAN for IPMI function only.

Packing List

| Part Number | Description | Quantity |
|-------------|-------------------|----------|
| 2066922800 | Driver CD | x 1 |
| 2006922810 | Startup manual | x 1 |
| 1700003194 | SATA data cables | x 2 |
| 1703150102 | SATA power cables | x 1 |

Optional Accessories

| Part Number | Description |
|------------------|---|
| PCA-AUDIO-HDA1E | HD Audio-card |
| PCA-TPM-00A1E | TPM Module |
| 1960063011N011 | Cooler IGA-2011 narrow cooler 107 x 70 x 64 for 4U chassis (120W; Puller fan) |
| 1700020277-01 | 2 ports USB3.0 cable w/ BKT(30cm) |
| 1700100250 | COM port cable w/o bracket |
| PCA-COM232-00A1E | 4 ports RS-232 module |
| PCA-COM485-00A1E | 4 ports RS-422/485 module |

I/O View



PCE-9228G2I-00A1E



PCE-9228G2-00A1E