CSA-7200

2U 19” Network Appliance with Intel® Xeon® Processor E5-2600 v3/v4 Family

Features

- Based on OCCERA (Open Compute Carrier-grade Edge Reference Architecture)
- High Scalability with eight PCIe x8 Gen3 module expansion slots
- Up to 64x 10GbE SFP+ ports with I/O intensive architecture
- Flexible storage interfaces: SATA, PCIe, M.2
- 2U 19’’ rackmount form factor for communications infrastructure deployment
- Advanced chassis management, IPMI v2.0 compliant



Specifications

- **CPU / Chipset / Memory**

  CPU

  Intel® Xeon® processor E5-2620 v3 (6C/12T)
  Intel® Xeon® processor E5-2630 v3 (8C/16T)
  Intel® Xeon® processor E5-2658 v3 (12C/24T)
  Intel® Xeon® processor E5-2680 v3 (12C/24T)
  Intel® Xeon® processor E5-2699 v3 (18C/36T)
  Intel® Xeon® processor E5-2680 v4 (14C/28T)

  L2 Cache

  15MB/20MB/25MB/30MB dependent on processor

  Chipset

  Intel® C610 Chipset

  Memory

  12x DDR4-1600/1866/2133 DIMM socket, ECC, up to 192GB

- **BIOS**

  Chip

  AMI BIOS on SPI flash memory

- **I/O Interfaces**

  Expansion

  8x Network Interface Module (NIM) slots (proprietary)

  Ethernet

  2x RJ-45 10/100/1000BASE-T Ethernet ports

  Console

  1x RJ-45 serial port

  USB

  2x USB 3.0

  Graphics

  1x VGA port

- **Chassis Management**

  Advanced chassis management for CPU nodes, fans, PSU IPMI v2.0 compliant

- **Control Buttons**

  Power

  1x power button (front)

  Reset

  1x reset button (front)

- **Storage**

  Drive Bays

  3x 2.5’’ hot-swappable SATA drive bays

  Other

  2x M.2 for SATA/PCIe SSDs

- **LEDs**

  Power, HDD, Status (user programmable)

- **Operating System**

  Window 7 64-bit, Linux Kernel 2.6 and above

Specifications

- **Mechanical and Environmental**

Form Factor: 2U 19" rackmount 440mm x 88mm x 600mm (W x H x D)
Fans: 3x fans, adaptive fan speeding
Power: 800W or 1200W, 100-240V AC @0-60Hz or -36V to -72V DC

Temperature
Operating: 0˚C to +40˚C
Storage: -40˚C to +70˚C
Short term operating: -5°C to +45°C, 5%-90% RH

Humidity
10%-85% RH @40°C, non-condensing
Non-operating: 5%-90% RH

Shock
Operating: Half-sine 2G, 11ms pulse, 100 pulses in each direction
Non-operating: Trapezoidal, 25G, 170 inches/sec delta V, three drops in each direction

Vibration
Non-operating Vibration: 2.2Grms, 10 minutes per axis in each direction

Acoustic
Sound pressure < 75 dBA @1m with all fans maximum speed

Regulatory
FCC class A, CE emission, UL, CB, CCC and RoHS compliant

MTBF
90,000 hours

- **Software Support**

Validated with DPDK, provides a high throughput for data plane packet processing

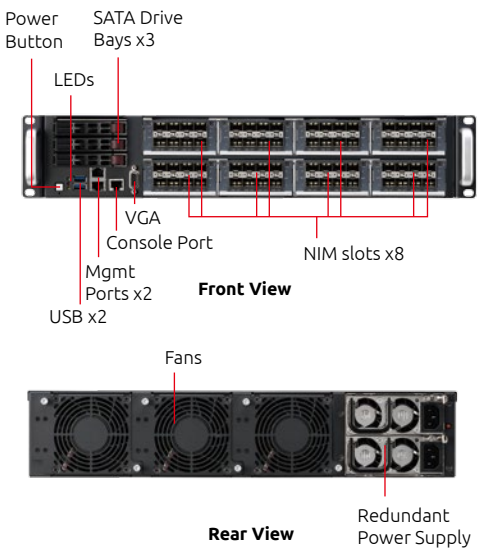
Network Interface Module

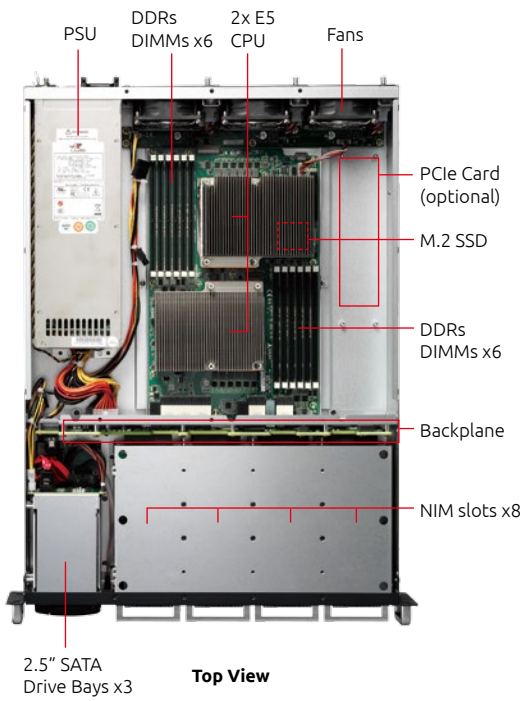
- **CSA-Z4X01**
  NIM1: 4-port GbE copper with LAN bypass
- **CSA-Z5C4F**
  NIM2: 4-port GbE SFP w/o LAN bypass
- **CSA-Z8X10**
  NIM3: 8-port GbE copper with LAN bypass
- **CSA-Z5C2F**
  NIM4: 2-port SFP+ without LAN bypass
- **CSA-Z5C8F**
  NIM5: 8-port GbE SFP w/o LAN bypass
- **CSA-Z5C8F+**
  NIM6: 8-port GbE SFP+ w/o LAN bypass
- **CSA-Z5C4F+**
  NIM7: 4 GbE SFP+, w/o LAN bypass
- **CSA-Z5CQF+**
  NIM8: 1-port 40G (SR4/LR4) QSFP28, w/o LAN bypass

Ordering Information

- **CSA-7200-0001**
  CPU: 2x Intel® Xeon® E5-2630 v3
  RAM: 2x 8GB
  Storage: 1x 8GB SSD
  NIM: 1x CSA-Z5C8F, 2x CSA-Z5C2F
- **CSA-7200-0002**
  CPU: 2x Intel® Xeon® E5-2680 v3
  RAM: 8x 8GB
  Storage: 2x 8GB SSD, 2x 2.5'' 1TB HDD
  NIM: 4x CSA-Z5C8F, 4x CSA-Z5C2F

Mechanical Layout





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