

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 E5-2628L v3 (10C/20T)
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 E5-2628L v4 (12C/24T)
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

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

