

# 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

