

CSA-7400

4U 19" Network Appliance with Intel® Xeon® Processor E5-2600 v3/v4 Family

Features

- Based on Open Compute Carrier-grade Edge Reference Architecture (OCCERA)
- Intel® Xeon® Processor E5-2600 v3/v4 Family platform
- 4U High density platform with four dual Intel® Xeon® processor E5 systems
- Dual switch modules providing 2x 50G internal Ethernet links to each compute node
- 2x 400Gb/s Ethernet bandwidth, 2x 200Gb/s PCIe bandwidth, total 1.2Tb/s bandwidth
- Flexible IO combination via MXN board plus NIM card (MXN-3610: 20x 10G, MXN-4100: 4x 100G, NIM-1610: 16x10G, NIM-0440: 4x40G)
- Advanced chassis management
- Redundant AC/DC PSUs (N+1)



Specifications

Compute Node (MCN-2600T)

• 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 CPU

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

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

Console

1x RJ-45 serial port

USB

2x USB 3.0

Graphics

1x VGA port

Storage

External: 2x 2.5" Hot-swappable SATA drive bays

Internal: 2x M.2 SSD

Backplane

2x PCIe x8 Gen3 to switch nodes

• Control Buttons

Power

1x power button (front)

Reset

1x reset button (front)

Specifications

Switch Node (MXN-3610/MXN-4100SR)

- **Chipset**

- Switch**

- Intel® Ethernet Multi-host Controller FM10840 with 600Mbps bandwidth & 4x PCIe x8 Gen3

- CMM**

- Chassis Management Module with AST1250

- COMe**

- COMe module with Type 6 interface as local management (optional)

- Intel® Core i7-4700EQ 2.4GHz, 4cores/GT2

- Intel® Celeron 2002E 1.5GHz, 2cores/GT1

- 2x SODIMM 1600/1333MHz DDR3, up to 16GB

- **I/O Interface**

- SFP+/QSFP+/QSFP28**

- MXN-3610: Switch board with 20x 10G SFP+ ports

- MXN-4100SR: Switch board with 4x 100GBASE-SR4/100GBASE-CR4 QSFP28 ports

- NIM-1610: Switch I/O extension card with 16x10G SFP+ ports

- NIM-0440: Switch I/O extension card with 4x40G QSFP+ ports

- Ethernet**

- 2x RJ-45 ports

- USB**

- 2x USB 2.0 (one can be used as console port)

- Storage**

- 2x mSATA

- Backplane**

- 4x PCIe x8 Gen3 to CPU nodes

- **Control Buttons**

- Reset**

- 1x reset button (front)

- **LEDs**

- Power, Active/Standby, Alarm

- **Chassis Management**

- Advanced Chassis Management for CPU nodes, fans, PSU via CLI and web interface, IPMI v2.0 compliant

- **Operating System**

- OS**

- Window 7 64-bit, Linux Kernel 2.6 and above

- **Control Buttons**

- Power**

- 1x power button (front)

- Reset**

- 1x reset button (front)

- **Mechanical and Environmental**

- Form Factor: 4U 19" rackmount 440mm x 176mm x 600mm (W x H x D)

- Fans: 3x fans, variable speed

- Power: 3+1 redundant 850W, 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**

- ADLINK PacketManager includes Layer2/3 switch stacks, load balancing and advanced ACL features

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

Ordering Information

- **MCN-2600T-0001**

- CPU: 2x Intel® Xeon® E5-2680 v3

- RAM: 12x 16GB DDR4

- Storage: 2x 16GB M.2 SSD, 3x 2.5" 500GB SATA HDD

- **MCN-2600T-0002**

- CPU: 2x Intel® Xeon® E5-2630 v3

- RAM: 8x 8GB DDR4

- Storage: 2x 8GB M.2 SSD, 2x 2.5" 1TB SATA HDD