

CSA-7400

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

Features

- Modular Industrial Cloud Architecture (MICA) platform
- 8 CPU high-density platform
- 2x switch nodes and 4x CPU nodes
- 1.3Tbps total bandwidth, 128Gbps Fabric bandwidth
- Up to 720Gbps front IO density
- Advanced chassis management
- Redundant AC/DC PSU



Specifications

Compute Node (MCN-2600T)

CPU / Chipset / Memory

CPU	Intel® Xeon® processor E5-2680 v3 (12C/24T) Intel® Xeon® processor E5-2630 v3 (8C/16T) Intel® Xeon® processor E5-2620 v3 (6C/12T)
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
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I/O Interfaces

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
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)

LEDs

LEDs	Power, Status, HDD, user programmable
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Switch Node (MXN-3610)

Chipset

Switch	Intel® Ethernet Multi-host Controller FM10840 with 600Mbps bandwidth & 4x PCIe x8 Gen3
CMM	Chassis Management Module with ADLINK BMC solution
COMe	COMe module with Type 6 interface as local management (optional) Intel® Core i7-4700EQ 2.4GHz, 4cores/GT2 Intel® Core i5-4400E 2.7GHz, 2cores/GT2 Intel® Core i3-4102E 1.6GHz, 2cores/GT2 Intel® Celeron 2002E 1.5GHz, 2cores/GT1 2x SODIMM 1600/1333MHz DDR3, up to 16GB

I/O Interface

SFP+	20x 10G SFP+ ports (front panel) NIM-1610: Switch I/O extension card with 16x 10G SFP+ (4x 40G QSFP optional)
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)
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LEDs

LEDs	Power, Active/Standby, Alarm
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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
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Specifications

Mechanical and Environmental

Form Factor	4U 19" rackmount 440mm x 176mm x 600mm (W x H x D)
Fans	4x 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	NEBS Level 3 compliance (design), FCC class A, CE emission, UL, CB, CCC and RoHS compliant
MTBF	90,000 hours

Software Support

ADLINK PacketManager Includes DPDK toolkit, DPI toolkit, Load Balance toolkit

Ordering Information

Model Number	CPU	RAM	Storage
MCN-2600T-0001	2x Intel® Xeon® E5-2680 v3	12x 16GB DDR4	2x 16GB M.2 SSD, 3x 2.5" 500GB SATA HDD
MCN-2600T-0002	2x Intel® Xeon® E5-2630 v3	8x 8GB DDR4	2x 8GB M.2 SSD, 2x 2.5" 1TB SATA HDD