

HTCA-6400

High Availability Chassis 4U Telecom Network Appliance with 4 x86 CPU Blades and 2x Switch blades for redundancy, Storage blades with 10x NVMe SSD or Network blades



■ Features

- High availability, full redundancy and extreme high performance
- 4 compute blades in the rear, per blade supports up to dual Intel® Xeon® Scalable (Skylake-SP) CPUs and 16x DDR4 R-DIMM
- 2x switch blades in upper two slots for redundancy
- Storage blades with 10x NVMe SSD in bottom two slots or up to 4x Ethernet blades
- Up to 80 ports 10G SFP+ Ethernet ports
- N+N Redundant power supply and removable fan module
- NEBS compliant design

■ Preliminary Specifications

Compute Node

CPU Options	Intel® Xeon® Processor Scalable Family
Frequency	Depending on CPU
Core Number	Depending on CPU
BIOS	AMI SPI Flash BIOS
Chipset	Intel C627 Chipset

Memory

Technology	Six-channel DDR4 (Registered)
Max. Capacity	512GB (Registered) per M/B tray
Socket	Up to 16 x 288-pin DIMM per M/B tray

Switch Blade

Switch Fabric	Depending on Switch blade specification
Speed	Depending on Switch blade specification
Interface	Depending on Switch blade specification

Ethernet Blade

Controller	XL710
Speed	10Gbps
Interface	Up to 20 x SFP+

Storage

Type	SATA III, 6Gb/s per port
Installation	8 x 2.5" swappable drive bays

I/O

Reset Button	Yes
Console	1 x RJ45
USB	1 x type A
IPMI	OPMA socket to support IPMI (IAC-AST2500)

Expansion

PCIe	N/A
PCI	N/A

Cooling

Processor	CPU heatsinks with fan duct
System	5 x hot-swappable cooling fan sets with smart fan control for each computing blade

Environment

Operating/Storage Temperature	0 ~ 40°C /-20 ~ 70°C
Relative Humidity	5% ~ 90%, non-condensing

Miscellaneous

LCD Module	2 x 20 characters
Watchdog	Yes
Internal RTC with Li Battery	Yes

Mechanical

Dimension (W x H x D)	438 x 177 x 685.8 mm
Weight	TBD
Mounting	Rack mount

Power

Type / Watts	AC 2000 watt N+N Redundant /each DC 1600 watt N+N Redundant /each PM bus support, up to 4 PSU slots
Input	AC 85~264V DC -36~-72V

OS Support

Linux	Linux Cent OS 7.2 or above
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Certification

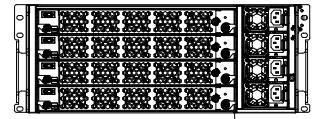
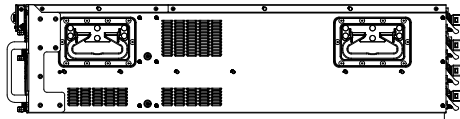
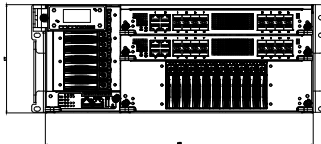
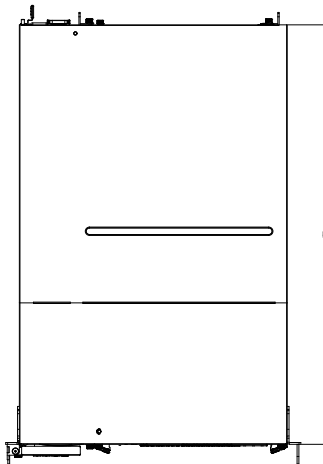
EMC	CE Class A, FCC Class A
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Product I/O View



- A** LCM
- B** Console
- C** LOM port
- D** Storage blade
- E** Programmable Switch blades
- F** CPU blades
- G** N+N PSUs

Dimensions 438 x 177 x 685.8 mm



Ordering Information

HTCA System	HTCA-6400A	HybridTCA™ high-performance chassis 4U telecom network appliance with 4 CPU blades with 8 x Intel® Xeon® Scalable processors + 8 bays for 2.5" HDDs with 4 I/O blades slots
Compute Node	HMB-6110	x86 compute node with 2 x Intel® Xeon® Processor Scalable Family
Switch Blade	HLM-1021	2 port 100GbE QSFP28 + 16 25/10GbE SFP28 + 4 10GbE RJ45
	HLM-1030	6 port 100GbE QSFP28 + 4 port 40GbE QSFP, 16x 10GbE SFP+, , IEEE 1588 expansion module (By SKU)
Ethernet Blade	HLM-1001	20 port 10GbE SFP+ Ethernet network interface blade

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