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

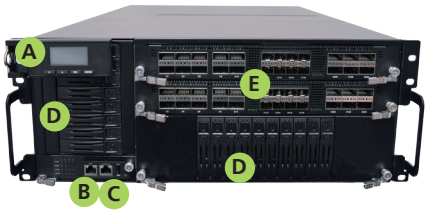
- High availability, full redundancy and extreme high performance
- 4 compute blades in the rear, per blade supports up to dual Intel® Xeon® Scalable (Skylake-SP) CPUs and 16x DDR4 R-DIMM
- 2x switch blades in upper two slots for redundancy
- Storage blades with 10x NVMe SSD in bottom two slots or up 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/C621 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	Broadcom Tomahawk BCM56960 or BCM56770
Speed	100/40/25/10Gbps per port
Interface	6 port 100GbE QSFP28 + 4 40GbE QSFP+ + 6 10GbE SFP+ 2 x 100GbE QSFP28 , 16 x 10/25GbE QSFP +, 4 x 10GbE RJ45 14*100GbE QSFP28
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

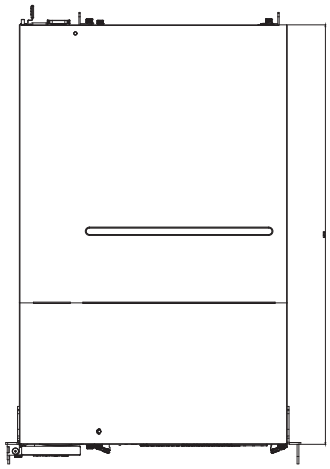
Cooling	
Processor	CPU heatsinks with fan duct
System	5 x hot-swappable cooling fan sets with smart fan control for each computing blade
Environment	
Operating/Storage Temperature	0 ~ 40°C /-20 ~ 70°C
Relative Humidity	5% ~ 90%, non-condensing
Miscellaneous	
LCD Module	2 x 20 characters
Watchdog	Yes
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 220~240V DC -36~-72V
OS Support	
Linux	Linux Cent OS 7.2 or above
Certification	
EMC	CE Class A, FCC Class A

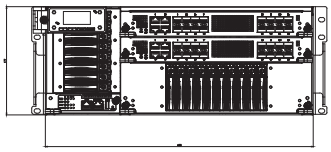
Product I/O View

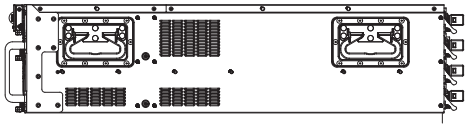


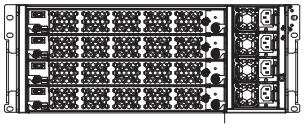
- A LCM
- B Console
- C LOM port
- D Storage blade
- E Programmable Switch blades
- F CPU blades
- G N+N PSUs

Dimensions 438 x 177 x 685.8 mm









Ordering Information

HTCA System	**HTCA-6400B**	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+
Ethernet Blade	**HLM-1001**	20 port 10GbE SFP+ Ethernet network interface blade
Storage Blade	**HDM-1006**	1U Storage Blade with 6x NVMe SSD Trays for HTCA-6000 Series

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