

ECHELON 4U

EXCLUSIVE RAPID SWAP

2 stacked 16 slot removable drive carriers



PRODUCT HIGHLIGHTS

- ⓘ Up to 32 drives in two fully removable ruggedized carriers
- ⓘ All drives are individually hot-swappable
- ⓘ Maximum performance 12 Gb/s SAS-3 drive and 6GB/s SATA backplane interfaces
- ⓘ Mixed SAS/SATA drive capability
- ⓘ MegaRAID[®] controller with CacheVault[®]
- ⓘ Dual Xeon[®] Gold scalable CPUs, up to 44 cores
- ⓘ Dual onboard 10Gb LAN
- ⓘ Hot-swap, dual-redundant 1200W wide-range AC input power supplies
- ⓘ Independently removable high-reliability, high velocity fans
- ⓘ Short depth (22-inch), 19" rackmount with rugged sliders
- ⓘ Low-smoke, zero-halogen internal cabling
- ⓘ MIL-STD-810G, MIL-STD-167, MIL-STD-461G qualifications
- ⓘ Made in Canada & USA



FEATURES

OPERATING SYSTEM	Windows 10 Pro, Windows 10 Enterprise LTSB, Windows Server 2016 or Linux	EXPANSION SLOTS	Four (4) PCI-Express 3.0 x16 slots supported by CPU1 and CPU2 Two (2) PCI-Express 3.0 x8 slots supported by CPU1 M.2 Interface: PCI-E 3.0 x4 M.2 Form Factor: 2260, 2280, 22110 M-Key
PROCESSOR	2nd Generation Intel® Xeon® Scalable Processors Socket LGA-3647 TDP support up to 125W/CPU	BIOS AND SOFTWARE	AMI UEFI, IPMI2.0
CHIPSET	Intel® C622 Chipset	PERIPHERAL DEVICES	Two (2) USB 2.0 ports on the rear I/O panel Two (2) USB 3.0 ports on the rear I/O panel
MEMORY	Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 12 DIMM slots	TRUSTED PLATFORM MODULE	TPM 2.0, 1.2 supported
STORAGE	Broadcom MegaRAID® controller with CacheVault® technology RAID levels 0,1,5,6,10,50 and 60	POWER	90-264VAC 1200W Dual Redundant Hot-Swappable, US Standard EIA Plug
BASE BOARD MANAGEMENT CONTROLLER	ASPEED AST2500 BMC supports IPMI 2.0 One (1) dedicated IPMI LAN VGA Graphics controller via AST2500 BMC	MECHANICAL	Material: Machined aluminum 6061-T6 and Sheet aluminum 5052-H32 Dimensions: 4U x 19" W x 22" D Weight: Payload dependent
ETHERNET LAN	Dual onboard 10 Gbase-T LAN	ENVIRONMENTAL	Operating Temp: 0-50°C, Storage Temp: -40-70°C Humidity: Up to 95% Non-Condensing Vibration: MIL-STD-167-1A & MIL-STD-810G Shock: MIL-STD-810G EMI/EMC: Tested per MIL-STD-461G
SSD DEVICES	Up to 32 drives in 8 groups of 4 each. Flexibility to connect any group to SAS: 12Gb/s or SATA: 6Gb/s interfaces Supports FIPS 140-2 Cryptographic SSD's for maximum security capability. Standard non-encrypted SSD's also fully supported.	OPTIONAL 3RD PARTY PCIE CARDS	Reflective Memory Fiber MEDIA 25 Gb/s

ORDERING INFORMATION

Contact us at **855.365.2188** or visit octagonsystems.com/request-quote to begin the ordering process.

