

# ECHELON 4U

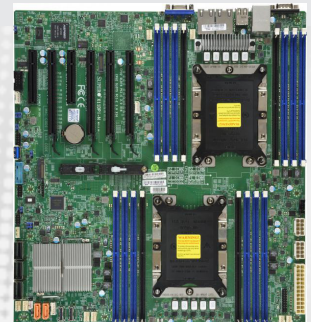
## EXCLUSIVE RAPID SWAP

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

<b>OPERATING SYSTEM</b>	Windows 10 Pro, Windows 10 Enterprise LTSB, Windows Server 2016 or Linux	<b>EXPANSION SLOTS</b>	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
<b>PROCESSOR</b>	2nd Generation Intel® Xeon® Scalable Processors Socket LGA-3647 TDP support up to 125W/CPU	<b>BIOS AND SOFTWARE</b>	AMI UEFI, IPMI2.0
<b>CHIPSET</b>	Intel® C622 Chipset	<b>PERIPHERAL DEVICES</b>	Two (2) USB 2.0 ports on the rear I/O panel Two (2) USB 3.0 ports on the rear I/O panel
<b>MEMORY</b>	Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz, in 12 DIMM slots	<b>TRUSTED PLATFORM MODULE</b>	TPM 2.0, 1.2 supported
<b>STORAGE</b>	Broadcom MegaRAID® controller with CacheVault® technology RAID levels 0,1,5,6,10,50 and 60	<b>POWER</b>	90-264VAC 1200W Dual Redundant Hot-Swappable, US Standard EIA Plug
<b>BASE BOARD MANAGEMENT CONTROLLER</b>	ASPEED AST2500 BMC supports IPMI 2.0 One (1) dedicated IPMI LAN VGA Graphics controller via AST2500 BMC	<b>MECHANICAL</b>	Material: Machined aluminum 6061-T6 and Sheet aluminum 5052-H32 Dimensions: 4U x 19" W x 22" D Weight: Payload dependent
<b>ETHERNET LAN</b>	Dual onboard 10 Gbase-T LAN	<b>ENVIRONMENTAL</b>	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
<b>SSD DEVICES</b>	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.	<b>OPTIONAL 3RD PARTY PCIE CARDS</b>	Reflective Memory Fiber MEDIA 25 Gb/s

## ORDERING INFORMATION

