

VANGUARD[™] 2U



PRODUCT HIGHLIGHTS

- ⊕ Latest generation scalable Intel[®] Xeon[®] processing options
- ⊕ Fully featured, dual-socketed, shock isolated system board
- ⊕ Hot-swappable, front panel accessible storage bays for up to fourteen (14) 2.5" drives with slim optical drive support
- ⊕ High performance R/W optimization with data security (quick erase / security erase / destroy / write protect) SSD/SAS options
- ⊕ Hot-swap, dual-redundant, wide-range AC input power supply
- ⊕ Up to four (4) removable, high reliability, high velocity fans with optional air filters for dust ingress protection
- ⊕ 19" rackmount with custom rugged slider options in various depths
- ⊕ MIL-STD-810, MIL-STD-167, MIL-STD-461 qualifications
- ⊕ Made in Canada & USA



FEATURES

OPERATING SYSTEM	Windows 10 Pro, Windows 10 Enterprise LTSC, Windows Server 2016 or Linux	NIC	Optional: Broadcom BCM957504-P425G quad-port 25GbE SFP28 ethernet Optional: Intel dual-port 10GbE fibre
PROCESSOR	Latest gen scalable Intel®Xeon®processors including single/dual CPU configurations, with up to 28 cores per CPU @ 2.2GHz	SFP	Optional: SFP28 25GbE LC transceiver Optional: SFP+ 10GbE Intel transceiver
MEMORY	Up to 4TB of DDR4-3200 RAM with ECC in 16 REG DIMM slots	GRAPHICS	Various 3rd party graphics card including NVIDIA Tesla A40 or Quadro RTX A4000
CHIPSET	Intel® C621 Chipset	BIOS AND SOFTWARE	AMI UEFI, Intel®Node Manager, IPMI v1.5/2.0, KVM support, dedicated LAN, NMI, SPM, SSM, SUM, SuperDoctor®5, Watchdog
STORAGE	Up to fourteen (14) slots for FIPS SATA 3.0 removable drives Optional: 256GB and more NVMe storage via M.2 slot RAID: Broadcom MegaRaid 9560-16i	TRUSTED PLATFORM MODULE	TPM 2.0 with support for Intel®vPro Technology and Intel®Trusted Execution Technology (Intel®TXT)
BASE BOARD MANAGEMENT CONTROLLER	ASPEED AST2600 BMC supports IPMI v1.5/2.0 One (1) dedicated IPMI LAN port (rear) VGA Graphics controller via AST2600 BMC	POWER	100-250VACwide-range, 650W to 1,200W dual-redundant power supply, US Standard EIA Plug
ETHERNET	Optional: Four (4) 10/100/1000 BaseT ports Optional: Dual 10GbE BaseT ports	MECHANICAL	Outer Chassis: Machined aluminum alloy overlapping panel extrusions for superior EMC and zero torsional flex Dimensions: 2U x 19" W and depths in options of 19" to 24" Weight: Payload dependent
EXPANSION SLOTS	Up to six (6) x16 PCIe 4.0 slots Eight (8) PCIe 4.0 NVMe internal ports M.2 interface via two (2) x1 PCIe 2.0 M.2 M-key	ENVIRONMENTAL	Operating Temp: 0 to +40°C Storage Temp: -40 to +70°C Humidity: Up to 95% Non-Condensing Vibration: MIL-STD-167 & random vibration per MIL-STD-810 Shock: Operating while exposed to 20g shocks per MIL-STD-810 EMI/EMC: Tested per MIL-STD-461
USB	Up to five (5) USB 3.0 ports		

ORDERING INFORMATION

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

