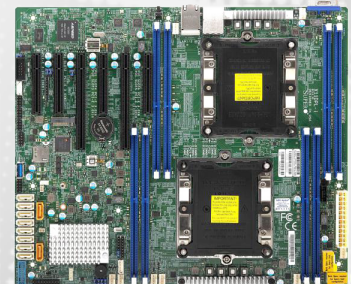


# VANGUARD<sup>™</sup> 2U



## PRODUCT HIGHLIGHTS

- ✓ Latest generation scalable Intel<sup>®</sup> Xeon<sup>®</sup> 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

<b>OPERATING SYSTEM</b>	Windows 10 Pro, Windows 10 Enterprise LTSB, Windows Server 2016 or Linux	<b>NIC</b>	Optional: Broadcom BCM957504-P425G quad-port 25GbE SFP28 ethernet Optional: Intel dual-port 10GbE fibre
<b>PROCESSOR</b>	Latest gen scalable Intel®Xeon®processors including single/dual CPU configurations, with up to 28 cores per CPU @ 2.2GHz	<b>SFP</b>	Optional: SFP28 25GbE LC transceiver Optional: SFP+ 10GbE Intel transceiver
<b>MEMORY</b>	Up to 4TB of DDR4-3200 RAM with ECC in 16 REG DIMM slots	<b>GRAPHICS</b>	Various 3rd party graphics card including NVIDIA Tesla A40 or Quadro RTX A4000
<b>CHIPSET</b>	Intel® C621 Chipset	<b>BIOS AND SOFTWARE</b>	AMI UEFI, Intel®Node Manager, IPMI v1.5/2.0, KVM support, dedicated LAN, NMI, SPM, SSM, SUM, SuperDoctor®5, Watchdog
<b>STORAGE</b>	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	<b>TRUSTED PLATFORM MODULE</b>	TPM 2.0 with support for Intel®vPro Technology and Intel®Trusted Execution Technology (Intel®TXT)
<b>BASE BOARD MANAGEMENT CONTROLLER</b>	ASPEED AST2600 BMC supports IPMI v1.5/2.0 One (1) dedicated IPMI LAN port (rear) VGA Graphics controller via AST2600 BMC	<b>POWER</b>	100-250VACwide-range, 650W to 1,200W dual-redundant power supply, US Standard EIA Plug
<b>ETHERNET</b>	Optional: Four (4) 10/100/1000 BaseT ports Optional: Dual 10GbE BaseT ports	<b>MECHANICAL</b>	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
<b>EXPANSION SLOTS</b>	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	<b>ENVIRONMENTAL</b>	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
<b>USB</b>	Up to five (5) USB 3.0 ports		

## ORDERING INFORMATION

