



HVE-STACK

High Density Compute and VDI Performance



FEATURES:

- Modular design supports up to four 1U half-width 2-socket server nodes in a 2U chassis
- Supports up to 24 SSD drives providing great speed and high durability
- The modular design simplifies management by reducing cables and increases environmental efficiencies
- Able to run both server virtualization environments and VDI. Fully populated, 800 VDI sessions can run in a 2U box
- Leverages Dynamic Energy Management Technology (DEMT) reducing energy consumption on average 13%
- Each server module support 2 Intel® Xeon® scalable processors and memory from 128Gb to 1Tb
- Dual 1GbE and dual 10GbE intergrated network interface cards per installed module

HIGH DENSITY POWER

The HVE-STACK is a versatile, highly-dense chassis-based sever appliance positioned for datacenters, high-performance computing (HPC) and VDI. The modular design allows for easy expanability helping offset capital investment costs and allows for a pay-as-you-go solution. The HVE-STACK has been engineered to provide the highest levels of density that addresses the space and investment restrictions of datacenters.

MODULAR POWER

The HVE-STACK allows for up to four 1U half-width 2-socket server nodes. Each node is powered by one or two Intel Xeon scalable processors and support up to 16 DDR4 DIMMs allowing for a maximum of 1Tb RAM. Each node is provided 6-2.5" direct attach slots for NVMe SSD drives. Every module allows for 2-HHHL PCIe slots for expansion. Teradici PCoIP CPU offload cards are optional for VDI.



HVE-STACK Server Node

ENERGY CONSERVATION

Because it is modular, the HVE-STACK allows for the maximum density in a 2U rackspace providing optimal power consumption. Each HVE-STACK comes with dual 3000w power supplies. The HVE-STACK manages modules in an aggregated mode, reducing cables and improving management. The HVE-STACK integrates an out-of-band fault diagnostic system and expert pre-warning library, enabling over 93% locating accuracy.



HVE-STACK Rear Face



HVE-STACK SPECIFICATIONS



HVE-STACK Chassis

- Highly-dense design reducing footprint
- Unified management and easy maintenance
- Shared architecture making it energy efficient

Product Specifications

Form Factor:	2U multi-node server
Server Nodes:	(4) half-width server nodes
Power Supply Units:	(2) hot-swappable 2130W AC PSUs in 1+1 redundancy mode* Supports 110V to 220V AC
Operating Temps:	5°C - 35°C (41°F - 95°F)
Certifications:	CE, UL, FCC, CCC, VCCI, and RoHS
Dimensions: (H x W x D)	87.8 mm x 437.9 mm x 733 mm (3.46-in x 17.24-in x 28.86-in)

* Support for PSU 1+1 redundancy is subject to chassis configuration and power consumption
 ** Holding rails and cable racks are required to implement fan module hot swap



HVE-STACK Node

- Compact outstanding performance
- NVMe SSD Storage
- Hot-swappable components for easy management

Product Specifications

Form Factor:	Half-width server node
Processors:	(1) or (2) Intel® Xeon® scalable processors
Memory:	(16) DDR4 DIMM slots
Internal Storage:	(6) x 2.5" SAS/SATA/SSD bays - Supports up to (2) NVMe drives per node
LOM Network Ports:	(1) 1GbE for management and (2) 10GBase-T ports
PCIe Expansion:	(1) PCIe slots
Management:	Supports SNMP and IPMI. Provides virtual KVM, virtual media, SOL, remote control, hardware monitoring, and intelligent power supply. Adopts the power capping technology and independent management network ports, and supports NC-SI
Operating Temps:	5°C - 35°C (41°F - 95°F)
Certifications:	CE, UL, FCC, CCC, VCCI, and RoHS
Dimensions: (H x W x D)	172.7 x 485.1 mm (6.8-in x 19.1-in)

