HVE-STACK

High Density Compute and VDI Platform

Powered by open-e JovianDSS

vmware PARTNER TECHNOLOGY ALLIANCE

FEATURES:

- Modular design supports up to four 1U halfwidth 2-socket server nodes in a 2U chassis
- Supports up to 24 NVMe SSD drives providing 10x greater speed than standard SSD technology
- 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 session can run with the 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 integrated network interface cards per installed per module.

HIGH DENSITY POWER

The HVE-STACK is a versatile, highly-dense chassis-based server appliance positioned for data centers, high performance computing (HPC) and VDI. The modular design allows for easy expandability 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 data centers.

MODULAR POWER

The HVE-STACK allows for up to four 1U half-width 2-socket server nodes. Each module 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 module 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 Module

ENERGY CONSERVATION

Because it is modular, the HVE-STACK allows for the maximum density in a 2U rackspace providing optimal power conservation. Each HVE-STACK comes with dual 3000w power supply units. 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 prewarning library, enabling over 93% locating accuracy. Leveraging DEMT (Dynamic Energy Management Technology) reduces energy consumption by an average of 13%.

HVE-STACK Rear-Face

HVE ConneXions

Tel: **866-958-6384** Fax: **866-203-0622**

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 1500 W AC PSUs in 1+1 redundancy mode* Support 220V-240V AV or 240V HVDC
Fan Modules:	4 hot-swappable fan modules in N+1 redundancy mode**
Power Supply:	110V to 220V AC
Operating Temps:	5°C - 35°C (41°F - 95°F)
Certification:	CE, UL, FCC, CCC, VCCI, and RoHS
Dimensions: (H x W x D)	86.1 mm x 436 mm x 805 mm (3.39-in x 17.17-in x 31.69-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 Module

- 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-inch NVMe/SAS/SATA/SSD Bays
LOM Network Ports:	2 GbE and 2 10GbE
PCIe Expansion:	Up to 2 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 Temperature:	5°C - 35°C (41°F - 95°F)
Certification:	CE, UL, FCC, CCC, VCCI, and RoHS
Dimensions: (H x W x D)	40.5 mm x 177.9 mm x 545.5 mm (1.59-in x 7.00-in x 21.48-in)