



HVE-SnapSAN

High Density Hybrid Storage Platform

The HVE-SnapSAN is a 24-bay cluster-in-a-box 4U SAN that provides high-availability in an active-active configuration supporting 12Gbs SAS. By running a hybrid of SSD and HDD, this appliance provides optimal speeds with great storage capacities

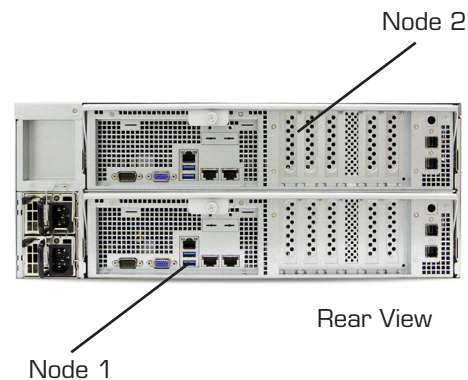


FEATURES:

- High availability storage optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot-swappable compute nodes and storage drives
- Dual enclosure compute nodes running Active-Active for N+1 redundancy
- 10GbE PCIe NTB or SAS links between nodes for communication failover
- Preloaded with HVE Open-E Jovian software which provides fault-tolerance, LZ4 compression and deduplication features
- Built in Broadcom SAS3x48R SAS/SATA expander per node
- Intel Trusted Platform Module (TPM) header to support Intel Execution Technology (TXT)

HIGH SPEED WITH STORAGE CAPACITY

The HVE-SnapSAN is a truly resilient, high-performance storage appliance. By leveraging features from HVE Open-E Jovian, the HVE-SnapSAN delivers LZ4 compression and deduplication providing additional expansion capabilities. This platform comes with two server boards (one per node), each supporting dual Intel Xeon processors. Both nodes process I/Os and provide simultaneous and balanced access to the logical devices which significantly increase overall cluster performance. When failover occurs, the secondary node automatically takes over the devices, client connections, and all processes/services of the servers. The HVE-SnapSAN eliminates the SPOFs (single points of failure).



Top View





HARDWARE SPECIFICATIONS

| | | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Positioning: | Mission critical, enterprise-level storage applications | |
| Form Factor: | 4U rack space | |
| Operating System: | Open-E JovianDSS | |
| Rear I/O: (per node) | SAS: | (2) x SFF8644 |
| | LAN: | (1) x Intel® x540-BT2, dual-port 10GBASE-T (1) x Intel® I210-AT, single-port 1GBASE-T (1) x Intel® x710, dual-port SFP+ |
| | USB: | (2) x USB 3.0 Type A |
| | VGA: | (1) x External DB-15 VGA port |
| | SERIAL: | (1) x External DB-9 COM port |
| Power Supplies: | (2) x 1200W 1+1 redundant power supply (BTO) - 110~240V, 47-63Hz, 15-7.5A | |
| Processors: | (2) Intel® Xeon® Processors E5-2600 v4 product family | |
| System Memory: (per node) | (8) x 16GB RDIMM (128Gb Total RAM) | |
| Chipset Support: (per node) | Intel® C612 Chipset | |
| Drive Bays: | (24) x SATA/SAS 2.5" hot-swappable | |
| RAID Levels: | Jovian ZF3 | |
| Backplane: | (1) x 24-port 12Gb SAS backplane | |
| Expander Boards: | (3) x PCIe v3.0 x 8 slots | |
| BIOS Features: | ACPI, PXE, WOL, AC Loss Recovery, IPMI 2.0 KCS interface, SMBIOS, Serial Console Recovery, BIOS Boot Specification, BIOS Recovery Mode, SRIOV, iSCSI, TPM, and PCIe NTB | |
| System Cooling: | 4 x 60x56mm easy swap fans | |
| Environmental Specifications: | Storage Temperature: | -10°C (14°F) ~ 60°C (140°F) |
| | Operating Temperature | 0°C (32°F) ~ 35°C (95°F) |
| | Storage Operating Humidity: | 5%~95% non-condensing |
| Gross Weight: | Lbs: 110.2 / Kgs: 50 | |
| Dimensions: | Inches: 17.2" W x 27.5" D x 7" H / MM: 437mm x 698.5mm x 177.8mm | |
| Mounting: | Standard - 28" slide rail | |

WHO IS HVE?

HVE is a virtualization solutions provider and engineering company. Our focus is in four areas of virtualization: datacenter, all flash storage technologies, virtual desktop (VDI) and enterprise-grade NAS storage. Our goal is to work with each customer to design a solution that uniquely matches their strategic, budgetary, and technical needs. In order to provide a customized solution, HVE also provides "purpose built" appliances. Each component, from the type of processor to all solid-state drives, are carefully selected to provide the most efficient solution. HVE is able to offer a complete tool chest of solutions such as converged, attached storage, and hyper-converged. HVE also monitors each appliance in our 24-hour network operations center located in Dallas, Texas.