HVE-STAGE/BIX
Server Virtualization Platform

FEATURES:

- Engineered for optimal server virtualization in the datacenter
- HVE-STAGE servers provide compute for attached storage. HVE-BIX is converged SSD storage
- Supports one or two Intel® Xeon® scalable processors with 16 DDR4 DIMM slots
- Integrates dual GbE and dual 10GbE network interface cards
- Local SSD storage using eMLC enterprise-level drives for high-speed and extreme stability

OPTIMIZED PERFORMANCE

The HVE-STAGE/BIX is a high-performance server that has been optimized for server virtualization. The HVE-STAGE series is designed for attaching to a local SAN. The HVE-BIX is designed to have local solid-state storage providing a converged solution. We include 2 Intel® Xeon® scalable processors with up to 112 logical cores, and memory configurations from 128GB – 1.5TB 2667Mhz DDR4 RAM. We have tuned it for optimum performance in a virtual environment and left out the needless extras to make it cost-effective.

LOWER CAPITAL EXPENSES

Reduce the amount of hardware and hardware repair costs by condensing multiple out-of-date servers onto one HVE-STAGE/BIX using virtualization. In addition, the HVE-STAGE/BIX has no expensive annual agreements like many legacy systems

LOWER OPERATING EXPENSES

Achieve superior administration efficiency by virtualizing multiple servers unto a single HVE-STAGE/BIX with our Single Pane of Glass Management. With everything in one place, administration is a breeze. With fewer physical servers, fewer network and storage ports are needed. Additionally, less space is needed in the datacenter and accordingly lower utility costs to run it.

PLATFORM:

- Dual Intel® Xeon® Gold 5120 processors
- 128-1.5TB DDR4 2667Mhz RAM
- Dual GbE and (2) Dual 10Gbe Network interfaces
- ESXi or Hyper-V Virtual Server Software Integrated (Unlicensed)

STAGE	Standalone Compute – Dual 240GB M.2 OS SSD
STAGE-BIX-1	STAGE Platform Configuration with: 1TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6
STAGE-BIX-2	STAGE Platform Configuration with: 2TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6
STAGE-BIX-3	STAGE Platform Configuration with: 3TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6
STAGE-BIX-6	STAGE Platform Configuration with: 6TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6
STAGE-BIX-12	STAGE Platform Configuration with: 12TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6
STAGE-BIX-24	STAGE Platform Configuration with: 24TB Local All-SSD – SATA 6Gb/s 2.5" eMLC, RAID6

HVE-STAGE/BIX Specifications

HVE-STAGE v5 Server

Superior performance
with ultra-density

Energy efficient and smart
power saving

Intelligent manageability,
integration, and openness

Product Specifications

Form Factor:	1U rack server
Processors:	1 or 2 Intel® Xeon® Scalable Processors of up to 205 W
Chipset Platform:	Intel C622
Internal Storage	8 x 2.5-inch SAS/SATA hard disk 2 x M.2 SSDs Operating Disks
RAID support:	RAID 6
Network ports:	LOM: 2 x 10GbE + 2 x GbE ports
PCIe expansion:	Up to 5 PCIe 3.0 slots, including 1 for RAID controller and 1 for a flexible NIC
Accelerator Cards:	2 single-slot HHHL GPU or FPGA heterogeneous accelerator cards
Fan Modules:	7 hot-swappable counter-rotating fan modules with support for N+1
Power supply units:	2 hot-swappable 900W PSUs with support for 1+1 redundancy
Management:	Provides management features such as fault diagnosis and dynamic energy management technology (DEMT)
Operating Systems:	Microsoft Windows Server VMware ESXi
Security:	Power-on password Administrator password Trusted Platform Module (TPM) Security front panel
Operating Temp:	5°C to 45°C (41°F to 113°F), compliant with ASHRAE A3 and A4
Certification:	CE, UL, FCC, CCC, and RoHS
Dimensions: (H x W x D)	43 mm x 436 mm x 708 mm (1.70 in x 17.17 in. x 27.87 in.)