



HVE-VDI v5

High-Performance Virtual Desktop Appliance



FEATURES:

- Includes all the compute and storage needed to run a high-performance VDI environment
- Easily scalable with Single Pane of Glass (SPoG) management using VMware HorizonView or Microsoft Hyper-V
- Options include converged local SSD storage appliances or attached storage models, giving flexibility
- More cost-effective than traditional VDI competitors and average costs lower than desktops
- Extends Total Cost of Ownership (TCO) by leveraging next-generation technology along with less hands-on support than desktops
- Integrated dual 10GbE NICs for storage and VM traffic and dual 1GbE NICs for management providing failover and redundancy

WARRANTY AND SUPPORT

Each HVE VDI appliance comes with build-in HVE monitoring and hardware warranty for 1 year. Extended warranties are available for up to 5 years. With HVE's advanced monitoring, we are notified of potential hardware problems before they become problems. Combined with built-in fail over capabilities, downtime is kept to a minimum.

POWER SAVINGS

With HVE VDI in conjunction with zero terminals, power consumption is vastly lower than standard desktop computers. While a desktop normally consumes around 120 watts of power, a zero terminal consumes only 7-15 watts of power. This provides thousands of dollars in savings over the life of the equipment.

BRING YOUR OWN DEVICE (BYOD)

HVE's VDI architecture is designed to be device agnostic. That means that a VDI desktop can be reached from almost any Internet-capable device such as laptops, tablets, and even some smartphones. Viruses or other security threats will not infect the users device.

TEST THE VDI WATERS OR DIVE DEEP

With a low Total Cost of Ownership (TCO) and no additional storage required, the HVE VDI appliance is a great way to start a VDI pilot program. The easy scalability of the appliance means once the pilot is ready to move to production, the expansion process will be quick and seamless. The architecture of the appliance is designed to be able to tie into existing infrastructure, which make it a great, inexpensive way to expand current virtualization initiatives.

PLATFORM:

Dual Intel® Xeon® Gold 6130 processors (16/32 Physical/ Logical CPU) (2) Dual 10GBase-T and (1) Dual 1GBase-T network interfaces, Avago 12GB/s RAID controller, (2) 240GB M.2 SSD operating disks with Avago controller, Dual 550W Platinum AC PSU units, ESXi or Hyper-V Virtual Server Software integrated (Unlicensed)

HVE-VDI-51-C	Attached Storage Only 35-75 Standard VDI Desktops, 1U Rack Space
HVE-VDI-101-C	Attached Storage Only 75-125 Standard VDI Desktops, 1U Rack Space
HVE-VDI-202-C	Attached Storage Only 175-225 Standard VDI Desktops, 2U Rack Space
HVE-VDI-51-N	1.2TB Local SSD Storage 35-75 Standard VDI Desktops, 1U Rack Space
HVE-VDI-101-N	2TB Local SSD Storage 75-125 Standard VDI Desktops, 1U Rack Space
HVE-VDI-202-N	4TB Local SSD Storage 175-225 Standard VDI Desktops, 2U Rack Space



HVE-VDI SPECIFICATIONS



Model:	51 (Engineered for 35-75 desktops)	101 (Engineered for 75-125 desktops)	202 (Engineered for 175-225 desktops)
Form Factor:	1U rack server	1U rack server	2U rack server
Processors:	(2) Intel® Xeon® Gold Processors		
Chipset platform:	Intel C622	Intel C622	Intel C621
Memory:	128GB (expandable to 256) 16-slots DIMMS 2666Mhz DDR4	256GB (expandable to 512GB) 16-slots DIMMS 2666Mhz DDR4	512GB (fully populated) 16-slots DIMMS 2666Mhz DDR4
Internal Storage:	<ul style="list-style-type: none"> (8) x 2.5" Slots for SSD Drives (2) M.2 240GB SSD Operating Disks 	<ul style="list-style-type: none"> (8) x 2.5" Slots for SSD Drives (2) M.2 240GB SSD Operating Disks 	<ul style="list-style-type: none"> (24) x 2.5" Slots for SSD Drives (2) M.2 240GB SSD Operating Disks
RAID Support:	RAID 6. configured with a supercapacitor for cache power-off protection Supports RAID level migration, drive roaming, self-diagnosis, and web-based remote configuration		
RAID Controllers:	(1) x Avago 3508 RAID Controller (1) x Avago 3004 PCIe M.2 RAID Controller		
Network Ports:	(2) x 10GbE Onboard Data NICs (10G-BaseT or SFP+ available) (2) x 10GbE PCIe Data NICs (10G-Base-T or SFP+ available) (2) x 1GbE Onboard Management NICs		
PCIe Expansion:	Up to (5) PCIe 3.0 slots, including (1) for RAID controller and (1) for a flexible NIC		Up to (8) PCIe 3.0 slots, including (1) for RAID controller and (1) for a flexible NIC
Fan modules:	(7) hot-swappable counter-rotating fan modules with support for N+1		(4) hot-swappable counter-rotating fan modules with support for N+1
Power supplies:	(2) hot-swappable 550W PSUs with support for 1+1 redundancy		(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)		
Security:	Power-on password Administrator password Trusted Platform Module (TPM) Security front panel		
Systems:	Microsoft Windows Server (Pre-configured) VMware ESXi (Pre-configured)		
Temperature:	5°C to 45°C (41°F to 113°F), compliant with ASHRAE A3 and A4		
Certification:	CE, UL, FCC, CCC, and RoHS		CCC
Installation suite:	L-shaped guide rails, adjustable guide rails, and holding rails		
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.)		86.1 mm x 447 mm x 708 mm (3.39 in. x 17.60 in. x 27.87 in.)

