

DS-VH22-R/HW5E(4509Y) Dual-socket Rackmount Servers



- Innovate at scale with challenging and emerging workloads, purpose-built for growing scale-outs solutions
- Outmaneuver threats with intelligence, automation, and recovery tools that include iDRAC9 Telemetry, BIOS live scanning, and Rapid OS recovery
- Supports multiple management models, best to manage your device. 1:1 or 1:Many; Full remote control and management functions.
- Feature-optimized server with ideal selection of CPU, I/O, and storage performance for scale-out environments to meet data needs, suitable for various scale scenarios

▪ Specification

Hardware Specifications	
CPU	1 x 4509Y (2.6 GHz-4.1 GHz, 22.5 MB Cache , 8 Cores, 16 Threads) / 4510 (2.4 GHz-4.1 GHz, 30 MB Cache , 12 Cores, 24 Threads)
Memory	32GB x 2 • Support 16GB/32GB/64GB DDR5 RDIMM ECC • Slots: 16 x DDR5 DIMM slots, supports RDIMM 16x64 GB MAX (1 CPU Configuration with 8 slots available , 2 CPU configuration with 16 slots available.)
Hard Disks	2 x 2TB 7.2K SATA(RAID_1) • 2TB/ 4TB/ 8TB/ 12TB/ 16TB/22TB 7.2K SATA Hot-plug HDD • 480GB/ 960GB/ 1.92TB/ 3.84TB SATA Hot-plug SSD • Slots: 8 x 3.5-inch SAS/SATA (HDD/SSD) slots, supports HDD 8 x 22TB max (Empty slots do not include hard drive bays by default)
Storage Controller	• PERC H355 adaptor LP, support RAID 0/1
Supported Operating Systems	WinSvr2022 multilingual version pre-installed
PCIe Slots	• 1 CPU Configuration: Up to 4 PCIe slots (2 x8 Gen5, 1 x16 Gen4, 1 x8 Gen4) • 2 CPU configuration: Up to 6 PCIe slots (2 x16 Gen5, 3 x16 Gen4, 1 x8 Gen4)
Management	
Remote Manage	• iDRAC9 • iDRAC Direct • iDRAC RESTful API with Redfish • iDRAC Service Manual
OpenManage™ Software	• OpenManage Enterprise • OpenManage Power Manager plugin • OpenManage Service plugin • OpenManage Update Manager plugin • CloudIQ for PowerEdge plug in • OpenManage Enterprise Integration for VMware vCenter • OpenManage Integration for Microsoft System Center • OpenManage Integration with Windows Admin Center
Integrations and Connections	• BMC Truesight • Microsoft System Center • OpenManage Integration with ServiceNow • Red Hat Ansible Modules • Terraform Providers • VMware vCenter and vRealize Operations Manager
Security	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Secured-core server • Silicon Root of Trust • System Lockdown (requires iDRAC9 Enterprise or Datacenter) • TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ

Ports	
USB 3.0	0 (Front) +1 (Rear)
USB 2.0	1 (Front) +1 (Rear)
Ethernet Port	1 GbE×2+10 GbE x 2
VGA	2
iDRAC Direct (Micro-AB USB) Port	1
iDRAC Ethernet Port	1
Manager Port	1
General	
Net Weight	28.6 kg (63.0 lb)
Gross Weight	46.4 kg (102.29 lb)
Dimension (W × H × D)	482.0 mm × 86.8 mm × 721.62 mm (18.97" × 3.41" × 28.4")
Package Dimensions (W × H × D)	667.0 mm × 327.0 mm × 930.0 mm (26.26" × 12.87" × 36.61")
Operating Temperature	10 °C to 35 °C (50 °F to 95 °F)
Storage Temperature	-40 °C to 65 °C (-104 °F to 149 °F)
Operating Humidity	8% to 80% (no condensation)
Storage Humidity	5% to 95% (no condensation)
Power Supply	800 W , 50/60 Hz , 100-240 VAC (Auto adjustment) , 9.2-4.7 A
Form Factor	2U Rack

▪ Available Model

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