

**DS-VM12-R (PE)****Single-socket Rackmount Server**

- Innovate at scale with challenging and emerging workloads, purpose-built for growing scale-out 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

Available Model	
DS-VM12-R/HW1	4309Y x 2 / 32G x 2 / 960G SATA SSD x 2 (RAID1) /H355/1GbE x 6/800W(Dual power)/1U/DVD/win Svr 2022 Std/3years PSP;
DS-VM12-R/HW2 (PE)	4309Y x 2/32G x 2/960GB SATA SSD x 2(RAID_1)/H755/1GbE x 6/10G SFP x 2/800W(Dual power)/1U/DVD/win Svr 2022 Std/3years PSP; with upgrade to 500GB SSD NVMe, 2TB SATA x 2, USB 3.0 internal port and Win Svr 2025
DS-VM12-R/HW3 (PE)	4310 x 1 / 32G x 2 / 960G SATA SSD x 2 (RAID1) /H355/1GbE x 6/10G SFP x 2/800W(Dual power)/1U/DVD/win Svr 2022 Std/3years PSP; With upgrade to 500GB SSD NVMe, 2TB SATA x 2, USB 3.0 internal port and Win Svr 2025
Hardware Specifications	
CPU	<ul style="list-style-type: none"> <li>• 4309Y (2.8 GHz-3.6 GHz, 12 MB Cache, 8 Cores, 16 Threads)</li> <li>• 4310 (2.1 GHz-3.3 GHz, 18 MB Cache, 12 Cores, 24 Threads)</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• Support single 16GB/32GB/64GB DDR4 RDIMM, 3200MT/s ECC</li> <li>• Slots: 16 x DDR4 DIMM slots, supports RDIMM 16x64 GB MAX (1 CPU Configuration with 8 slots available, 2 CPU configuration with 16 slots available.)</li> </ul>
Hard Drive	<ul style="list-style-type: none"> <li>• 2TB/ 4TB/ 8TB/ 12TB/16TB/22TB 7.2K SATA Hot-plug HDD</li> <li>• 480GB/ 960GB/ 1.92TB/ 3.84TB SATA Hot-plug SSD</li> <li>• Slots: 4 x 3.5-inch SAS/SATA (HDD/SSD) slots, supports HDD 4 x 22TB max (Empty slots do not include hard drive bays by default)</li> <li>• Supports PCIe SSD NVMe: Intel P4800X 750G and 375G</li> </ul>
Storage Controller	<ul style="list-style-type: none"> <li>• PERC H355 adaptor LP, support RAID 0/1</li> <li>• PERC H755 adaptor LP, support RAID 0/1/5/6/10 (Optional)</li> </ul>
Operating System	• win Svr 2022 Std; support win Svr 2025 Std
PCIe Slots	• 2 x PCIe Gen4 slots: 2 x16 with x8 bandwidth, Half Length, Low Profile
Notes	• Support flexible customization, including CPU, memory, hard drive, OS, etc
Management	
Remote Manage	<ul style="list-style-type: none"> <li>• iDRAC9 with Lifecycle Controller</li> <li>• iDRAC Direct</li> <li>• iDRAC RESTful API with Redfish</li> <li>• iDRAC Service Manual</li> </ul>
OpenManage™ Software	<ul style="list-style-type: none"> <li>• OpenManage Enterprise</li> <li>• OpenManage Power Manager plugin</li> <li>• OpenManage Service plugin</li> <li>• OpenManage Update Manager plugin</li> <li>• CloudIQ for PowerEdge plug in</li> <li>• OpenManage Enterprise Integration for VMware vCenter</li> <li>• OpenManage Integration for Microsoft System Center</li> <li>• OpenManage Integration with Windows Admin Center</li> </ul>
Integrations and Connections	<ul style="list-style-type: none"> <li>• BMC Truesight</li> <li>• Microsoft System Center</li> <li>• OpenManage Integration with ServiceNow</li> <li>• Red Hat Ansible Modules</li> <li>• Terraform Providers</li> <li>• VMware vCenter and vRealize Operations Manager</li> </ul>

Security	<ul style="list-style-type: none"> <li>•Cryptographically signed firmware</li> <li>•Data at Rest Encryption (SEDs with local or external key mgmt)</li> <li>•Secure Boot</li> <li>•Secured Component Verification (Hardware integrity check)</li> <li>•Secure Erase</li> <li>•Secured-core server</li> <li>•Silicon Root of Trust</li> <li>•System Lockdown (requires iDRAC9 Enterprise or Datacenter)</li> <li>•TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ</li> </ul>
<b>Ports</b>	
Front Ports	<ul style="list-style-type: none"> <li>• 1 x iDRAC Direct (Micro-AB USB) port</li> <li>• 1 x USB 2.0</li> <li>• 1 x VGA</li> </ul>
Rear Ports	<ul style="list-style-type: none"> <li>• 6 x 1GbE</li> <li>• 2 x 10GbE (Optional)</li> <li>• 1 x Dedicated iDRAC Ethernet port</li> <li>• 1 x USB 2.0</li> <li>• 1 x USB 3.0</li> <li>• 1 x VGA</li> <li>• 1 x Serial (Optional)</li> </ul>
Internal Ports	<ul style="list-style-type: none"> <li>• 1 x USB 3.0 (Optional)</li> <li>• Fan</li> </ul>
<b>General</b>	
Net Weight	13.23 Kg (29.17 lb)
Gross Weight	25 kg (55.11 lb)
Dimension (W × H × D)	482.0 mm × 42.8 mm × 748.79 mm (18.97" × 1.68" × 29.47")
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 Platinum AC 100-240 VAC or 240 VDC Mixed mode(Hot Swap Redundant Power Supplies)
Form Factor	1U Rack

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