



PART NUMBER: SR-D-2U

- Combined with high core count of up to 56 cores in the new generation of Intel® Xeon® processors and the most GPU memory and bandwidth available today
- Ideal 2U form factor building block for dense Supercomputer and HPC acceleration workloads and applications
- Supports rack liquid cooling infrastructure

SPECIFICATION

Processor	Two 4th Generation Intel Xeon Scalable processors with up to 56 cores per processor	
Memory	Only 16 DIMM slots are supported out of 32 DIMMs (with 8 DIMMs per processor) for XE9640 Intel GPU supported systems. RDIMM max 1TB.	
	8 DIMMs, 16 DIMMs and 32 DIMMs for XE9640 NVIDIA GPU supported systems. RDIMM max 2TB	
GPU	Supports DDR5 RDIMM (registered DIMM) only.	
	NVIDIA H100 SXM 700W NVLINK GPUs	
Storage Controllers	Intel Data Center Max GPU Series 1550 OAM 600W Xelink GPUs	
	Internal boot: Boot Optimized Storage Subsystem (NVMe BOSS-N1): HWRAID 1, 2 x M.2 SSDs	
Drive Bays	Software RAID: S160	
	Front Bays	Up to 4 x 2.5-inch NVMe SSD drives, 61.44 TB max
Power Supplies	2800W Titanium 200-240 VAC or 240 VDC, hot swap redundant Note: Mixed vendor PSUs in the same chassis is not recommended	
Cooling Options	Liquid Cooling with internal Manifold for GPUs and processors	
	Four sets (dual fan module) High performance (HPR) gold grade fans for Processors. All are hot swap fans	
Chipset	Intel® C741 chipset	
PCIe	2 CPU configuration: Up to 4 PCIe slots (4 x16 Gen5)	
Embedded NIC	2 x 1 GbE (optional)	
Network Options	1 x OCP 3.0 (x8 PCIe lanes)	
Dimensions	Height — 86.8 mm (3.41 inches)	
	Width — 482 mm (18.97 inches)	
	Depth — 926.5 mm (36.47 inches) with bezel, 912.8 mm (35.93 inches) without bezel	
	Weight — 43.2 kg (95.23 pounds) for XE9640 Intel GPU supported systems, 46.3 kg (102.07 pounds) for XE9640 NVIDIA GPU supported systems	
Form Factor	2U rack server	
Embedded Management	iDRAC9	
	iDRAC Direct	
	iDRAC RESTful API with Redfish	
	iDRAC Service Module	
Bezel	Optional LCD bezel or security bezel	
OpenManage Software	CloudIQ for PowerEdge plug in	OpenManage Integration with Windows Admin Center
	OpenManage Enterprise	OpenManage Power Manager plugin
	OpenManage Enterprise Integration for VMware vCenter	OpenManage Service plugin
	OpenManage Integration for Microsoft System Center	OpenManage Update Manager plugin

OpenManage Integrations	BMC Truesight	Red Hat Ansible Modules
	Microsoft System Center	Terraform Providers
	OpenManage Integration with ServiceNow	VMware vCenter and vRealize Operations Manager
Security	Cryptographically signed firmware	Secure Erase
	Data at Rest Encryption (SEDs with local or external key mgmt)	Silicon Root of Trust
	Secure Boot	System Lockdown (requires iDRAC9 Enterprise or Datacenter)
	Secured Component Verification (Hardware integrity check)	TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ
Ports	Front Ports	Rear ports
	1 x iDRAC Direct (Micro-AB USB) port	1 x USB 2.0
	1 x USB 2.0	1 x USB 3.0
	1 x VGA	1 x RJ45 iDRAC9 ethernet port
Operating Systems and Hypervisors	Canonical Ubuntu Server LTS	
	Red Hat Enterprise Linux	

The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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