



PowerEdge XE9685L

Unmatched Performance for AI Excellence
in a 4U liquid cooled chassis

Discover the groundbreaking PowerEdge XE9685L—a platform designed to redefine performance, scalability, and efficiency for organizations tackling AI, HPC, and deep learning challenges. Engineered to process data faster, accelerate model training, and deliver superior ROI, the XE9685L empowers enterprises to innovate and grow effortlessly, staying ahead of the competition in today's dynamic tech landscape.

Next level performance with choice

The XE9685L harnesses cutting-edge technology to deliver unmatched performance. Dual-socket AMD EPYC™ 9005 Series Processors and up to 8 NVIDIA® HGX™ B200 GPUs provide massive computational power for the most demanding workloads. Featuring 24 DIMM slots for up to 3TB DDR5 ECC memory and NVMe drives optimized for NVIDIA GPUDirect Storage, it accelerates data processing, ensuring faster insights and superior business outcomes.

Scalable architecture for future growth

Scalability and efficiency are at the core of the XE9685L's design. With 12 PCIe Gen 5 slots supporting seamless expansion and a direct liquid cooling system capturing 70% of generated heat, it offers unmatched flexibility while optimizing energy use. Factory assembly and deployment integration simplify setup, reducing costs and time-to-value. Together, these features make the XE9685L a sustainable, forward-thinking choice for modern enterprises.

Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the PowerEdge lifecycle, including protected supply chain and factory-to-site integrity assurance. Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls ensure trusted operations.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell OpenManage™ systems management portfolio delivers a secure, efficient, and comprehensive solution for PowerEdge servers. Simplify, automate and centralize one-to-many management with the OpenManage Enterprise console and iDRAC.

Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the PowerEdge portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with Dell Technologies Services.

Rest easier with Dell Technologies Services

ProSupport Plus for Infrastructure keeps your servers running with proactive and predictive support that prevents issues and provide fast resolutions. With an assigned customer advocate focused on your desired outcomes, 24/7 access to senior engineers, automatic case creation and proactive outreach when issues do arise, you can scale your operations without concern for downtime. It also provides Dell hardware and software support, third-party collaboration, and critical response for Severity 1 issues. Further optimize your servers with Dell Technologies Services expert consulting, deployment, managed services and more. Contact your Dell representative for more information.

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The Dell PowerEdge XE9685L is a high-performance server designed and optimized for AI & HPC use cases like

- Large Language Model (LLM) training, fine-tuning, and inference
- Recommendation engines
- Molecular Dynamics and Genome Sequencing

Feature	Technical Specifications	
Processor	<ul style="list-style-type: none"> Two 5th Generation AMD EPYC™ 9005 Series processors with up to 192 cores per processor 	
Memory	<ul style="list-style-type: none"> 24 DDR5 DIMM slots, supports RDIMM 3 TB max, speeds up to 6400 MT/s Note: Supports registered ECC DDR5 DIMMs only	
Storage controllers	<ul style="list-style-type: none"> Internal Boot: Boot Optimized Storage Subsystem (NVMe BOSS-N1): HWRaid 1, 2 x M.2 SSDs 	
GPU	<ul style="list-style-type: none"> 8 x NVIDIA HGX B200 180GB 1000W SXM6 GPUs, fully interconnected with NVIDIA NVLink technology 	
Front bays	<ul style="list-style-type: none"> Up to 8 x 2.5-inch NVMe SSD drives max 122.88 TB 	
Power Supplies	<ul style="list-style-type: none"> 3000W Titanium 200-240 VAC or 240 VDC, hot swap redundant 3000W when used at 209.1-240 VAC or 240 VDC 2800W when used at 200-209 VAC 	
Cooling Options	Liquid cooled CPUs, GPUs, and NVLink Switches	
PCIe	Up to 12 x16 Gen5 (x16 PCIe) full-height, half-length slots	
Embedded NIC	2 x 1 GbE	
Network Options	1 x OCP 3.0 (x8 PCIe lanes)	
Fans	<ul style="list-style-type: none"> Up to six high performance (HPR) gold grade fans installed on the top layer Up to six high performance (HPR) gold grade fans installed on the bottom layer of the system 	
Dimensions and weight	<ul style="list-style-type: none"> Height — 174.3 mm (6.86 inches) Width — Upper 2U: 447 mm (17.59 inches) — Lower 2U: 434 mm (17.08 inches) 	<ul style="list-style-type: none"> Depth — 1037.57 mm (40.82 inches) with bezel — 1025.62 mm (40.37 inches) without bezel Weight — 91.63 kg (202.00 pounds)
Form Factor	4U rack server	
Embedded Management	<ul style="list-style-type: none"> iDRAC9 iDRAC Direct 	<ul style="list-style-type: none"> iDRAC RESTful API with Redfish iDRAC Service Manual
Bezel	Optional LCD bezel or security bezel	
OpenManage Software	<ul style="list-style-type: none"> OME APEX AIOps Observability OpenManage Enterprise OpenManage Service plugin 	<ul style="list-style-type: none"> OpenManage Power Manager plugin OpenManage Update Manager plugin
OpenManage Integrations	<ul style="list-style-type: none"> OpenManage Integration with ServiceNow Red Hat Ansible Modules 	<ul style="list-style-type: none"> Terraform Providers
Security	<ul style="list-style-type: none"> Cryptographically signed firmware Data at Rest Encryption (SEDs with local or external key mgmt) Secure Boot Secured Component Verification (Hardware integrity check) 	<ul style="list-style-type: none"> Secure Erase Silicon Root of Trust System Lockdown (requires iDRAC9 Enterprise or Datacenter) TPM 2.0 FIPS, CC-TCG certified
Ports	Front ports <ul style="list-style-type: none"> 1 x iDRAC Direct (Micro-AB USB) port 1 x USB 2.0 1 x VGA 	Rear ports <ul style="list-style-type: none"> 1 x USB 2.0 1 x USB 3.0 1 x iDRAC Direct ethernet port
Operating Systems and Hypervisors	<ul style="list-style-type: none"> Canonical Ubuntu Server LTS For specifications and interoperability details, see Dell.com/OSsupport .	
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit Dell.com > Solutions > OEM Solutions.	

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