



Get the performance you need with this full-featured enterprise MAD Tech server designed to optimize even the most demanding workloads, such as dense database analytics and high-density virtualization.

The 1RU rackmount two-socket server design delivers the performance and versatility you need to meet your most demanding workloads. Ideal for:

- High Density Virtualization
- Dense Database Analytics
- Mixed Workload Standardization



Maximum Performance

- Add up to two next-generation Intel® Xeon® Scalable processors with 56 cores for faster, more accurate processing.
- Accelerate memory workloads with up to 32 DDR5 RDIMs at up to 4400 MT/s (2DPC) or 4800 MT/s for 1DPC (maximum 16 DDR5 RDIMMs).
- GPU support, including 2* single-GPUs, for workloads that require acceleration.

Air cooled at peak performance

- The new Smart enclosure optimizes airflow to support the highest core count processors in an air-cooled environment within your current IT infrastructure.
- Supports up to 8 x 2.5" drives and 2 x 350W processors.

Gain agility

- Maximize efficiency with a variety of chassis designs that adapt to your workloads and business goals.
- Storage options include up to 8 x 2.5" NVMe/SAS4/SATA drives, as well as up to 10 x 2.5" NVMe/SAS4/SATA drives, 14/16 x E3.S Gen5 NVMe drives*.
- Multiple Gen4 and Gen5 riser card configurations (up to 3 PCIe slots) with replaceable components that are easily integrated to meet customer needs over time.

Technical data

Form Factor/Height	1U rack server
Processor(max)/Cache(max)	Up to two 5 th Generation Intel Xeon Scalable processors, with up to 56 cores and optional Intel® QuickAssistTechnology
Memory	<ul style="list-style-type: none">• 32 DDR5 DIMM slots, supports RDIMM 8TB max, speeds up to 5600MT/s• Supports registered ECC DDR5 DIMMs only
Expansion Slots	Up to three PCIe slots : <ul style="list-style-type: none">• Slot 1 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length• Slot 2 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length• Slot 3 : 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length
Drive Bays	Front bays: <ul style="list-style-type: none">• Up to 10 x 2.5-inch, SAS/SATA/NVMe (HDD/SSD) max 153.6 TB• Up to 8 x 2.5-inch, SAS/SATA/NVMe, (HDD/SSD) max 122.88 TB Rear bays: <ul style="list-style-type: none">• Up to 2 x 2.5-inch, SAS/SATA/NVMe, max 30.72 TB Internal controllers/External RAID
Power Supplies	2x hot-swap/redundant: 700/800 W Platinum AC/1100W LVDC -48 — -60/1100 W Titanium AC/1400 W Platinum AC/1800 W Titanium AC
Network Interface	2 x 1 GbE LOM card (optional) 1 x OCP card 3.0 (optional) Note: The system allows either LOM card or an OCP card or both to be installed in the system.
GPU Options	Up to 2* x 75 W SW
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 Internal Ports <ul style="list-style-type: none">• 1 x USB 3.0 (optional) Rear Ports <ul style="list-style-type: none">• 1 x Dedicated iDRAC Ethernet port• 1 x USB 2.0• 1 x USB 3.0• 1 x Serial (optional)• 1 x VGA (optional for DLC configuration)
Operating System and Hypervisors	<ul style="list-style-type: none">• Canonical Ubuntu Server LTS• Microsoft Windows Server with Hyper-V• Red Hat Enterprise Linux• SUSE Linux Enterprise Server• VMware ESXi