

Specification Server

Line-Item No	Description of Goods	Technical Specification and Standards	Bidder's Offer	
		Purchaser's Requirements	Yes (Y) / No (N)	IF No Please specify the specification
1.1	GENERAL			
1.1.1	Make	Please specify		
1.1.2	Model	Please specify		
		OEM End of Life Date (EOL)		
		OEM End of Service Life Date (EOSL)		
		OEM End of Sale Date (EOS)		
1.1.3	Country of Manufacture	Please specify		
1.1.4	Rack space	2U		
1.1.5	Form Factor	Rackmount		
1.1.6	Operating Temperature	Please specify		
1.2	Hard disk			
1.2.1	NVMe	2		
1.2.2	Capacity	960GB		
1.2.3	Chassis	2.5" Chassis with up to 8 NVMe hot-swappable Direct Drives		
1.2.4	Raid Controller	Storage controller supporting RAID 1 & 1+0		
1.2.5	Expandability	The chassis must support at least 8 additional NVMe drives without requiring proprietary modifications.		
1.2.6	Boot Devices	Minimum 2 x M.2 Sticks 240G (RAID 1) or Higher Capacity		
1.3	Processor			
1.3.1	Model	Must meet/exceed performance benchmarks of Intel Xeon 6730P Processor		
1.3.2	Frequency	2.5 Ghz or more		
1.3.3	L3 Cache	288 MB or higher		
1.3.4	Cores/Threads Per Physical Processor	Minimum 32 Cores / 64 Threads		
1.3.5	Number Physical processors	2		
1.3.6	Maximum supported memory speed	DDR5 6400 MT/s or higher		
1.4	Memory (RAM)			
1.4.1	Type	DDR5 ECC support		
1.4.2	Capacity	1 TB		
1.4.3	Speed	6400 MT/s or higher		
1.4.4	Upgradability	Up to 2 TB		
1.4.5	Memory Slots	Minimum 16 DIMM slots supporting DDR5 ECC RDIMM		

1.5	Ports and Connectors			
1.5.1	USB Ports	Minimum 4 USB 3.2, USB 2.0, USB Type-C		
1.5.2	HDMI/VGA/Serial Port	At least one VGA or Display Port interface and optional serial port. Must be usable during POST and BIOS stages.		
1.5.3	Front I/O Access	Minimum of one front USB ports and one dedicated management access port or UID button		
1.5.4	Remote console access	Please specify		
1.6	Network			
1.6.1	Network Adapters	Quad Port 10GbE Base-T, OCP 3.0 Version 2 supporting standard form factors and redundancy		
1.6.2	Additional Network Cards	Quad Port 10/25GbE SFP28 Adapter, PCIe Full Height		
1.6.3	SFP	10GbE x 4		
1.6.4	Management Port	Dedicated 1GbE out-of-band port for remote management with BMC. Must support HTML5 console, ISO mounting, power cycle, and health monitoring. Users should be able to securely access the server remotely and take full control of the hypervisor/OS.		
		The remote management should be independent of server OS.		
1.7	Power Supply			
1.7.1	Wattage	Dual, Fully Redundant Hot-Plug, Power Supply (100-240Vac). Must support automatic failover between dual power supply units.		
1.7.2	Power Cords	15 AMP, 10 Feet (3m), Power Cord x 2		
1.7.3	Power Efficiency	80 PLUS Platinum or Titanium certified, ENERGY STAR certified		
1.7.4	Cooling Fans	Redundant, hot-swappable fans with auto-speed.		
1.7.5	Rack Rails	2U Rails With Cable Management Arm and other mounting accessories required		
1.8	Security & Managability			
1.8.1	BMC/iDRAC/iLO	Remote management controller with HTML5 console, power cycle, ISO mounting, log monitoring.		
1.8.2	TPM Module	TPM 2.0 (Trusted Platform Module), hardware-based security or equivalent		

1.8.3	Secure Boot	UEFI Secure Boot support or equivalent		
1.8.4	BIOS Features	Redundant BIOS, password protection, rollback prevention.		
1.8.5	Monitoring Tools	OEM provided tools for thermal, health, power, and predictive diagnostics.		
1.9	Virtualization			
1.9.1	platform	VMware vSphere Foundation (VVF) or VMware Cloud Foundation (VCF) 9 subscription licenses, covering all physical cores		
1.9.2	Features	Must support HA, vMotion, DRS, VM encryption centralized management.		
1.9.3	Management	Must include vCenter (bundled with VVF/VCF)		
1.10	Software and OS support			
1.10.1	Linux OS Edition	Ubuntu Server 24.04 LTS (latest LTS release) must be supported and installable on the hardware.		
1.10.2	Support & Updates	All OS-level drivers must be provided and digitally signed. Ubuntu: 5 years LTS security updates		
1.11	Certifications			
1.11.1	Certification	Server must be listed in VMware Cloud Foundation 9 Hardware Compatibility List (HCL)		
1.12	Warranty and Support			
1.12.1	Duration	5 Years Comprehensive Warranty (parts & labor including manufacturing defects),*the quoted model not reach EOL or EOSL during the warranty period Including OEM back-to-back support for VMware VVF/VCF compatibility (firmware, drivers, and patches).		
1.12.2	Authorization	Manufacturer's Authorization (where applicable)		
1.12.3	Support	24/7 4 hour response Service (or better from OEM) , 60 Month(s)		