



Network Server Specifications

Manufacturer	Cabinet type:	Dell
	Base: Tower Configuration	PowerEdge T640 Two-Socket SRU Server
		2-Socket (Supports up to 2 Processors)
PERFORMANCE		
Motherboard	PowerEdge T640 Motherboard	
Operating System Platform	Windows Server 2016 Standard	TPM Enabled
Trusted Platform Module	TPM Enabled	Module: 1.2/2.0
Chassis	Up to 16 x 2.5 SAS/SATA Hard Drives	
Configuration	Tower/ Rack Mount	
Processor	Manufacturer: Intel	Intel Xeon Silver/Gold Processors
Accelerators		Up to four 300W and eight 150W GPUs
Processor Thermal Configuration	Standard	
BIOS		
OPERATING SYSTEM		
Licenses	No Media Required	
OS Media Kits		
Client Access Licenses	1 Pack of Windows Server 2019	2016 User CALs/Standard
Group Manager	iDRAC Group Manager	Enabled/Disabled
Password	iDRAC, Factory Generated Password	
MEMORY and STORAGE		
Memory DIMM Type & Speed	3200MT/s (RDIMMs)	3200MT/s (RDIMMs)
Memory Configuration Type	Performance Optimized	
Memory	32GB RDIMM, 3200MR/s Dual Rank	32GB
RAID	C3, RAID 1 for 2 HDDs or SSDs	Matching Type/Speed/Capacity
RAID/Internal Storage Controllers	PERC H730P Adapter / Integrated RAID CONTROLLER	2GB NV Cache
Software RAID		S140
Hard Drive (PCIe SSD/Flex Bay)	Solid State Drive	960GB / 1+TB
	HD Interface	SATA, SSD Read Intensive 6Gbps
Internal Boot		Boot Optimized Storage Cards
Removable Storage		
LTO Tape Media		

Host Bus Adapter	Emulex	
NVMe & PCIe Storage Adapters	PERC G840 RAID Adapter/SAS	
IDSDM & VFlash Card Reader		None
Internal SD Module		None
Internal Optical Drive	Internal for x8/x18/x16 Chassis	DVD +/-RW, SATA
Bezel	Tower Standard Bezel for T640	8 Drive Chassis
Fans	4 Standard Mid Fans for T640	
BIOS & Advanced System Configuration Settings	Power Saving Dell Active Power Controller	
Rack Rails	None	
Server Accessories		
Keyboard & Optical Mouse	USB, Black / English	
System Documentation	Electronic System Documentation & Open Manage DVD Kit	PowerEdge T640
I/O and Ports		
	2x 10GbE LOM	
	8 x USB (1xUSB 2.0; 1xUSB 3.0; 6xUSB2.0/3.0)	
	Dedicated iDRAC Direct Micro-USB	
Video Card	1 x VGA	
	Up to 8 PCIe / Gen 3 slots	
POWER		
Power Supplies	Dual, Hot-plug power supplies with full Redundancy Option Power Supply (1100W, 48VDC)	Up to 8 hot plug fans with full redundancy
Power Cords	NEMA 5-15P to C13 Wall Plug	125 Volt, 15 AMP, 10 ft (3m), North America
Ports	2 x 10GbE	Front Ports: 1xDedicated iDRAC micro-USB; 1xUSB2.0; 1xUSB 3.0; 6 x USB 2.0/3.0
Slots	PCIe	8 x GEN 3 slots (4x8)
Bezel		Optional LCD bezel/security bezel
Server Accessories		Keyboard & Optical Mouse, USB
WARRANTY and SUPPORT		
Enabled Virtualization		None
Deployment Services		No Installation
Warranty	Extended or ProSupport w/ Next Business Day Onsite Service	3 - 5 Years