

Components	Specification																									
Dimensions	Tower or 5U rack. Height: 430 mm (16.9 in), width: 195 mm (7.68 in), depth: 595 mm (23.4 in)																									
Weight	Maximum configuration: 61.7 lb (28kg)																									
Processor	Supports one of the following Intel processors (code name: Haswell): <ul style="list-style-type: none"><li>• Xeon E3-1200 v3: up to 4C/3.7GHz/8MB/84W/1600MHz</li></ul>																									
Chipset	Intel C226 Platform Controller Hub (PCH)																									
Memory DIMMs	4 DIMM sockets, 2-channel capable. UDIMM, DDR3, up to 1600MHz																									
Memory capacity	32GB																									
Memory protection	ECC																									
RAID controller	Supports one of the following onboard or PCIe RAID adapters: <ul style="list-style-type: none"><li>• RAID 0, 1, 5, 10 with onboard RAID 100, 6Gb/s SATA.</li><li>• RAID 0, 1, 10 with RAID 500, PCIe adapter, 6Gb/s SAS/SATA, optional key for RAID5/50.</li><li>• RAID 0, 1, 5, 6, 10, 50, 60 with RAID 700, PCIe adapter, 6Gb/s SAS/SATA, optional Intelligent Battery Backup Unit (IBBU08).</li></ul> <p><i>Note: RAID 50 and 60 are supported on 8 hard drive bays models only.</i></p>																									
Disk drive bays	Up to 4 3.5" disk bays, non-hot swap, direct cable. Or up to 8 3.5" disk bays, hot-swap. Or up to 8 2.5" disk bays, hot-swap. On front. Supports internal RDX tape drive, costumes 5.25" bay, also support optional external USB RDX tape drive.  <table border="1"><thead><tr><th>Disk bay configuration</th><th>RAID controller requirements and optional drives supported</th><th>RAID100</th><th>RAID500</th><th>RAID700</th></tr></thead><tbody><tr><td>4x3.5" non-hot swap</td><td>•</td><td></td><td></td><td></td></tr><tr><td>4x3.5" HS</td><td>•</td><td>•</td><td>•</td><td></td></tr><tr><td>8x3.5" HS</td><td></td><td>•</td><td>•</td><td></td></tr><tr><td>8x2.5" HS</td><td></td><td>•</td><td>•</td><td></td></tr></tbody></table>	Disk bay configuration	RAID controller requirements and optional drives supported	RAID100	RAID500	RAID700	4x3.5" non-hot swap	•				4x3.5" HS	•	•	•		8x3.5" HS		•	•		8x2.5" HS		•	•	
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8x2.5" HS		•	•																							
Maximum internal storage	3.5" non-hot swap model: up to 24TB with 7.2K SATA HDD. 3.5" hot swap model: up to 48TB with 7.2K SATA HDD, up to 32TB with 7.2K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD 2.5" hot swap model: up to 8TB with 7.2K SATA HDD, up to 7.2TB with 10K SAS HDD, up to 4.8TB with 15K SAS HDD, up to 2.4TB with SATA SSD <i>Note: Supports up to 4 SSD drives.</i>																									
Optical drive	Two 5.25" bays for optical. DVD-ROM or DVD±RW. Half-height																									
Network interfaces	One onboard gigabit ethernet, Intel I217, shared with AMT. Supports optional discrete network adapters via PCIe slots																									
Security features	Power-on and administrator password. TPM (TCG 1.2-compliant). Optional padlock loop, Kensington cable lock																									
Systems management	Intel Active Management Technology 9 on models with Xeon processor. Remote presence is supported on models with Xeon E3-12x5 v3 or E3-12x6 v3 processor																									
Operating systems supported	Microsoft Windows Server 2012 R2/2012/2008 R2. Windows Small Business Server 2011. Windows 8.1/8/7(except Home edition). Red Hat Enterprise Linux 6.4/6.5/6.7/7/7.1. SUSE Linux Enterprise Server 11/12. VMware vSphere (ESXi) 5.1 U1/5.1 U2/5.5/5.5 U1/5.5 U2/5.5 U3, Citrix Xen server 6.2 <i>Note: VMware requires processors with Intel HD, add-on network adapters, and PCIe RAID adapters.</i>																									

Components	Specification										
Base warranty	1 or 3-year limited onsite service with 9x5/NBD.										
Power supply	Supports one of the following, depending on models: <ul style="list-style-type: none"><li>• One fixed 450 watts, universal, 80 PLUS Platinum qualified.</li><li>• Up to two redundant 450 watts, two maximum, rear access, hot-swap, 80 PLUS Gold qualified, redundant with two power supplies</li></ul>										
Graphics	Integrated Intel HD Graphics on Xeon E3-12x6 v3, Xeon E3-12x5 v3 processors. Uses main memory, works along with discrete graphics to support multi-display, enables one VGA connector on rear. Also supports the following optional discrete graphics adapters: <ul style="list-style-type: none"><li>• NVIDIA Quadro NVS 300, PCIe adapter, 512MB</li><li>• NVIDIA Quadro NVS 315, PCIe adapter, 1GB</li></ul>										
Front ports	Two USB 3.0 (blue)										
Rear ports	One VGA for models with Intel HD Graphics, two USB 2.0, four USB 3.0 (blue), one serial (9-pin), one ethernet (RJ-45). Optional parallel or serial ports via PCI or PCIe adapters										
Noise emissions	Operating: < 42 dB(A). Idle: < 38 dB(A) (Maximum configuration)										
Environmental specification	GREENGUARD certified, Energy Star Server 1.1 qualified, RoHS-compliant <table border="1"><tr><td>Temperature - operating</td><td>50 °F to 95 °F (10 °C to 35 °C)</td></tr><tr><td>Temperature - storage (with package)</td><td>-40 °C to 70 °C</td></tr><tr><td>Altitude - operating</td><td>Supported Altitude (unpressurized): 0-10000ft (0-3048m)</td></tr><tr><td>Humidity - operating</td><td>10%-80%, non-condensing</td></tr><tr><td>Humidity - storage (with package)</td><td>10%-90%, non-condensing</td></tr></table>	Temperature - operating	50 °F to 95 °F (10 °C to 35 °C)	Temperature - storage (with package)	-40 °C to 70 °C	Altitude - operating	Supported Altitude (unpressurized): 0-10000ft (0-3048m)	Humidity - operating	10%-80%, non-condensing	Humidity - storage (with package)	10%-90%, non-condensing
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**Expansion slots**

Four PCIe slots (top-down):  
 Slot 1: PCIe 3.0 x16, full height, half length (near CPU)  
 Slot 2: PCIe 2.0 x1, full height, half length  
 Slot 3: PCIe 2.0 x16 (x4 elec), full height, half length  
 Slot 4: PCI 2.3, full height, half length  
*Note: All PCI/PCIe adapters are optional.*

<b>Model</b>		<b>70AQ001V++</b>
Product		TS440
Region		EMEA
Machine Type		70AQ
TopSeller		Yes
Processor		Xeon E3-1226 v3 4C/3.3GHz/8MB/84W/1600MHz
Memory		1x4GB 1600MHz UDIMM
RAID controller		RAID100
Disk bays		4x3.5" HS
Internal disk drive		Open
Optical		HH DVD±RW
System mgmt		AMT9.0
Preloaded OS		No
Base warranty		3-year
Power supply		450Wx1 Gold
Ann date (mm/yy)		09/14

