QNAP®

ES1640dc

CPU	Intel Xeon E5-2400 v2 family processor Intel Xeon 6-core Processor E5-2420 v2 (15M Cache, 2.20GHz)
Memory	System memory: DDR3 RDIMM Total memory slots: 6 (Dual controllers; 2 x main memory DIMM and 1 x write cache DIMM for NVRAM for each controller.) 32GB for main memory DIMM and 16GB write cache DIMM per controller.
Flash Memory	2 GB DOM
USB	2 x USB 3.0/2.0 port
Hard Drive	16 x 3.5"/2.5" SAS 6Gbps hard drive (compatible with SAS 12Gbps hard drive), or 2.5" SAS SSD
Maximized Raw Capacity	128TB (Configuration: 16 x 8TB hard drives)
Hard Drive Interface	SAS 6Gb/s
10/100/1000 Mbps LAN Port	1 for each controller (for remote management)
10Gbps LAN Port	2 x RJ45, Intel X540-BT2 for each controller
PCIe Slot	PCIe Slot x8 (Gen2 x8): reserved for 40GbE or 10GbE LAN card PCIe Slot x4 (Gen2 x4): reserved for dual path Mini-SAS

Cache	mSATA SSD dedicated to NVRAM, SATA signaling
Form Factor	3U rackmount
Dimension	618(D) x 446.2(W) x 132(H) mm (excluding front grips)
Weight	Net weight (NAS only): 26.75 kg / 58.97 lb Gross weight (with packing and accessories): 36.94 kg / 81.44 lb
Sound Level	Sound pressure (LpAm) (bystander position): 66.1dB
Power Consumption	Sleep mode: 314.86 W In operation: 501.40 W
Power Supply	770 W (Redundancy for fault tolerance)
Fan	Hot-swappable fan module (60*60*38mm; 16000RPM/12v/2.8A x 3)
Electro-Magnetic Compatibility (EMC)	• FCC Class A (USA only) • CE Mark (EN55022 Class A, EN55024)
SAFETY Standard	• EN60950 • BSMI • VCCI • CB • LVD