



## ES1686dc-2123IT-64G

CPU	Intel® Xeon® D-2123IT 4-core 2.20 GHz processor (burst up to 3.0 GHz) per controller
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	32 GB RDIMM DDR4 ECC (4x 8 GB) per controller
Maximum Memory	512 GB (8 x 64GB)
Memory Slot	8 x R-DIMM/LR-DIMM DDR4
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	16 x 3.5-inch
Drive Compatibility	3.5-inch bays: 3.5-inch SAS/SATA hard disk drives 2.5-inch SAS/SATA hard disk drives 2.5-inch SAS/SATA solid state drives
Hot-swappable	Yes
SSD Cache Acceleration Support	Yes Read cache only
Cache for Copy To Flash (C2F)	1 per each controller (64GB)
Gigabit Ethernet Port (RJ45)	3 for each controller (one for remote management)
10 Gigabit Ethernet Port	4 x 10GbE SFP+ for each controller
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen 3 x8 (CPU) Slot 2: PCIe Gen 3 x8 (CPU)
USB 3.2 Gen 1 port	2 per each controller

Form Factor	3U Rackmount
LED Indicators	System Power LED (Green): on/off System Status (Green/ Orange): in operation, system errors, low power, degraded RAID mode, memory failure, fan/power supply failure, system/disk temperature too high, storage pool reaching threshold value, system performing take-over, power supply unit unplugged LCD Status Display (Two-digit number): Status of JBOD connection
Buttons	Power, Reset
Dimensions (HxWxD)	132 × 483.05 × 630.62 mm
Weight (Net)	25.83 kg
Weight (Gross)	32.69 kg
Operating temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Redundant/ Hot Swap Power Vin:90~264VAC;770W
Power Consumption: Operating Mode, Typical	500.87 W
Fan	Hot-swappable fan module (60*60*38mm; 16000RPM/12v/2.8A x 3)
Sound Level	55.8 db(A)
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10000
Safety Standard	FCC Class A (USA only) CE Mark ( EN55022 Class A, EN55024) EN60950 BSMI VCCI CB LVD

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

\* Sound Level Test

Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.