



## 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:<br>3.5-inch SAS/SATA hard disk drives<br>2.5-inch SAS/SATA hard disk drives<br>2.5-inch SAS/SATA solid state drives |
| Hot-swappable                  | Yes                                                                                                                                |
| SSD Cache Acceleration Support | Yes<br>Read cache only                                                                                                             |
| Cache for Copy To Flash (C2F)  | 1 per each controller (64GB M.2 SSD)                                                                                               |
| 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<br>Slot 1: PCIe Gen 3 x8 (CPU)<br>Slot 2: PCIe Gen 3 x8 (CPU)                                                                    |
| USB 3.2 Gen 1 port             | 2 per each controller                                                                                                              |

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|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor                                                           | 3U Rackmount                                                                                                                                                                                                                                                                                                                                                                   |
| LED Indicators                                                        | System Power LED (Green): on/off<br>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<br>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:<br>Operating Mode, Typical                         | 500.87 W                                                                                                                                                                                                                                                                                                                                                                       |
| Fan                                                                   | Hot-swappable fan module (60*60*38mm; 16000RPM/12v/2.8A x 3)                                                                                                                                                                                                                                                                                                                   |
| System Warning                                                        | Buzzer                                                                                                                                                                                                                                                                                                                                                                         |
| Max. Number of<br>Concurrent Connections<br>(CIFS) - with Max. Memory | 10000                                                                                                                                                                                                                                                                                                                                                                          |
| Safety Standard                                                       | FCC Class A (USA only)<br>CE Mark ( EN55022 Class A, EN55024)<br>EN60950<br>BSMI<br>VCCI<br>CB<br>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.

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