



| ES2486dc-2142IT-96G            |  |
|--------------------------------|--|
| CPU                            | Intel® Xeon® D-2142IT 8-core 1.90 GHz processor, up to 3.0 GHz   |
| CPU Architecture               | 64-bit x86   |
| Floating Point Unit            | Yes  |
| Encryption Engine              | Yes (AES-NI)   |
| System Memory                  | 48 GB RDIMM DDR4 ECC (4 x 4 GB+4 x 8GB) per controller   |
| Maximum Memory                 | 512 GB (8 x 64GB)  |
| Memory Slot                    | 8 x R-DIMM/LR-DIMM DDR4<br><br>IMPORTANT: You can only use one type of dual in-line memory module (DIMM) at a time. Do not use registered DIMM (RDIMM) with load-reduction DIMM (LRDIMM) memory.   |
| Flash Memory                   | 4GB (Dual boot OS protection)  |
| Drive Bay                      | 24 x 2.5-inch<br><br>SAS 12Gb/s, backward-compatible to SAS 6Gb/s  |
| Drive Compatibility            | 2.5-inch bays:<br>2.5-inch SAS/SATA hard disk drives<br>2.5-inch SAS/SATA solid state drives<br><br>1. When installing SATA HDD/SSD, QDA-SA3 adapter is required.<br>2. The QDA-SA3 adapter is designed for QNAP Enterprise ZFS NAS and allows the use of a SATA 6Gbps drive in a 2.5-inch SAS drive bay |
| 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 (assign one for remote management)   |
| 10 Gigabit Ethernet Port       | 4 x 10GbE SFP+ for each controller   |

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| Wake on LAN (WOL)   | Yes  |
| Jumbo Frame   | Yes  |
| PCIe Slot   | 2 per controller<br>Slot 1: PCIe Gen 3 x8 (CPU)<br>Slot 2: PCIe Gen 3 x8 (CPU)<br><br>Card dimensions for PCIe slot 1~Slot 2 : 215 x 68.9 x 18.76 mm / 8.46 x 2.71 x 0.74 inches.<br>Wider cards can be installed if the next PCIe slot will not be used.  |
| USB 3.2 Gen 1 port  | 2 per each controller<br><br>Note: The USB ports are for engineering purpose only. No external devices such as storage drives or UPS are supported.  |
| Form Factor   | 2U 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)  | 88.3 × 446.2 × 504.1 mm  |
| Weight (Net)  | 23.4 kg  |
| Weight (Gross)  | 27.4 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;700W   |
| Power Consumption:<br>Operating Mode, Typical                         | 579.59 W<br><br>Tested with drives fully populated.  |
| Fan   | Hot-swappable fan module (60*60*38mm; 16000RPM/12v/2.8A x 3)   |
| System Warning  | Buzzer   |
| Standard Warranty   | 5  |
| Max. Number of<br>Concurrent Connections<br>(CIFS) - with Max. Memory | 10000  |

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| Safety Standard | FCC Class A (USA only)<br>CE Mark ( EN55022 Class A, EN55024)<br>EN60950<br>BSMI<br>VCCI<br>CB<br>LVD |
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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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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