



TS-963X-8G (Legacy)

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| CPU | AMD G-Series GX-420MC 4-core 2.0 GHz processor |
| CPU Architecture | 64-bit x86 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 8 GB SODIMM DDR3/DDR3L |
| Maximum Memory | 16GB (2 x 8GB) |
| Memory Slot | 2 x SODIMM DDR3L For dual-DIMM configurations, you must use a pair of identical DDR3/DDR3L RAM modules. |
| Flash Memory | 512MB (Dual boot OS protection) |
| Drive Bay | 5 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/ |
| Drive Compatibility | 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 2.5-inch bays: 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| Gigabit Ethernet Port (RJ45) | 1 |
| 10 Gigabit Ethernet Port | 1 x 10GBASE-T (10G/5G/2.5G/1G/100M) Please use Cat 6a or Cat 7 LAN cables (sold separately) to achieve 10GbE speed over longer distance. |

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| Wake on LAN (WOL) | Yes |
| Jumbo Frame | Yes |
| USB 2.0 port | 2 |
| USB 3.2 Gen 1 port | 2 |
| Audio Output | 1 x built-in speaker, 1 x 3.5mm line out jack (for amplifier or headphone amplifier) |
| Form Factor | Tower |
| LED Indicators | Power/Status, LAN, USB, HDD1-5, SSD1-4 |
| Buttons | Power, One Touch Copy, Reset |
| Dimensions (HxWxD) | 7.19 × 8.85 × 8.8 inch |
| Weight (Net) | 7.78 lbs |
| 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 | 120W 100-240V AC adapter |
| Power Consumption: HDD Sleep Mode | 35.64 W |
| Power Consumption: Operating Mode, Typical | 53.06 W With 5 x HDD + 4 x SSD fully populated |
| Fan | 1 x 14cm smart fan (12V DC) |
| Kensington Security Slot | Yes |
| Standard Warranty | 2 |
| Max. Number of Concurrent Connections (CIFS) - with Max. Memory | 800 |

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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