



# QNAP TS-463XU NAS Rack (1U) AMD G GX-420MC 4 GB DDR3L 8 TB HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-463XU-4G-8TB-GLD

**Product name :** TS-463XU

- Built-in single-port 10GbE 10GBASE-T NIC to accelerate virtualization and high-resolution video editing and sharing
  - Qtier™ auto-tiering technology and SSD caching enable constant storage optimization
  - Snapshots fully record system status and data, and assist in quick data recovery and mitigating the threat of ransomware attacks
  - Host containerized applications and virtual machines with various operating systems
  - Secure private cloud supporting centralized storage, backup, sharing, and disaster recovery
  - NAS and iSCSI-SAN (IP-SAN) unified storage solution with scalable design
- AMD GX-420MC 2.0 GHz, 4 GB DDR3L, 512 MB DOM, 4x 2.5/3.5", 2x USB 3.0, 3x USB 2.0, 1x RJ-45 10GBASE-T, 4x RJ-45, 1x PCIe 2.0 x4, 1U + 8TB (WD Gold)

| Storage                                |                               | Design                               |                                                                                                                                                                                 |
|----------------------------------------|-------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage drive capacity *               | 2 TB                          | Number of fans                       | 2 fan(s)                                                                                                                                                                        |
| Storage drive interface *              | Serial ATA III                | Fan diameter                         | 4 cm                                                                                                                                                                            |
| Supported storage drive interfaces     | Serial ATA III                | LED indicators                       | HDD, LAN, USB                                                                                                                                                                   |
| Storage drive size                     | 2.5/3.5"                      | Cable lock slot                      | ✓                                                                                                                                                                               |
| Storage drive sizes supported          | 2.5,3.5"                      | Cable lock slot type                 | Kensington                                                                                                                                                                      |
| RAID support *                         | ✓                             | Performance                          |                                                                                                                                                                                 |
| RAID levels                            | 0, 1, 5, 6, 10, 50, 60, JBOD  | Type *                               | NAS                                                                                                                                                                             |
| Online RAID migration                  | ✓                             | Device class *                       | Home & Home Office                                                                                                                                                              |
| Online RAID expansion                  | ✓                             | Backup function *                    | ✓                                                                                                                                                                               |
| Hot-swap drive bays                    | ✓                             | Backup features                      | Cloud, USB drive, iSCSI LUN                                                                                                                                                     |
| Supported file systems                 | FAT32, HFS+, NTFS, ext3, ext4 | Buzzer                               | ✓                                                                                                                                                                               |
| Storage drives installed *             | ✓                             | Multilingual support                 | ✓                                                                                                                                                                               |
| Total installed storage capacity *     | 8 TB                          | Noise level                          | 36.5 dB                                                                                                                                                                         |
| Number of storage drives installed *   | 4                             | Share folder access right management | ✓                                                                                                                                                                               |
| Number of storage drives supported *   | 4                             | Security algorithms                  | 256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS                                                                                                                                    |
| Installed storage drive type *         | HDD                           | Built-in iTunes server               | ✓                                                                                                                                                                               |
| Supported storage drive types *        | HDD & SSD                     | Built-in FTP server                  | ✓                                                                                                                                                                               |
| Processor                              |                               | Browser supported                    | Safari 7+, Chrome, Internet Explorer 10+, Firefox                                                                                                                               |
| Processor family *                     | AMD G                         | System log                           | ✓                                                                                                                                                                               |
| Processor model *                      | GX-420MC                      | Hot spare                            | ✓                                                                                                                                                                               |
| Processor frequency *                  | 2 GHz                         | S.M.A.R.T. support                   | ✓                                                                                                                                                                               |
| Processor cores                        | 4                             | Share folder                         | CIFS/SMB                                                                                                                                                                        |
| Memory                                 |                               | Backup button                        | ✓                                                                                                                                                                               |
| Internal memory *                      | 4 GB                          | Software                             |                                                                                                                                                                                 |
| Internal memory type                   | DDR3L                         | Operating system installed *         | QNAP Turbo System                                                                                                                                                               |
| Maximum RAM supported                  | 16 GB                         | Operating system version             | 4.3.4                                                                                                                                                                           |
| Memory slots                           | 2                             | Windows operating systems supported  | Windows 10, Windows 7, Windows 8                                                                                                                                                |
| Memory form factor                     | SO-DIMM                       | Linux operating systems supported    | ✓                                                                                                                                                                               |
| Flash memory                           | 512 MB                        | Mac operating systems supported      | Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks |
| Network                                |                               | Server operating systems supported   | Windows Server 2003, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016                                                                                        |
| Ethernet LAN *                         | ✓                             |                                      |                                                                                                                                                                                 |
| Ethernet LAN data rates                | 10,100,1000,10000 Mbit/s      |                                      |                                                                                                                                                                                 |
| Ethernet LAN data rate supported (max) | 10000 Mbit/s                  |                                      |                                                                                                                                                                                 |
| Copper ethernet cabling technology     | 10GBASE-T, 1000BASE-T         |                                      |                                                                                                                                                                                 |
| Wi-Fi                                  | ✗                             |                                      |                                                                                                                                                                                 |
| DHCP server                            | ✓                             |                                      |                                                                                                                                                                                 |
| Jumbo frames support                   | ✓                             |                                      |                                                                                                                                                                                 |

| Network                                         |                               | Power                             |                 |
|-------------------------------------------------|-------------------------------|-----------------------------------|-----------------|
| iSCSI support                                   | ✓                             | Power supply location             | Built-in        |
| Wake-on-LAN ready                               | ✓                             | Power supply unit (PSU) capacity  | 250 W           |
| Supported network protocols                     | PPTP, L2TP/IPSec, OpenVPN VPN | Number of power supply units      | 1               |
| Ports & interfaces                              |                               | Power consumption (typical)       | 50.46 W         |
| USB port *                                      | ✓                             | Power consumption (HDD standby)   | 34.06 W         |
| USB 2.0 ports quantity                          | 3                             | AC input voltage                  | 100 - 240 V     |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 2                             | AC input frequency                | 50 - 60 Hz      |
| Ethernet LAN (RJ-45) ports *                    | 5                             | Fan voltage                       | 12 V            |
| Design                                          |                               | Weight & dimensions               |                 |
| Chassis type *                                  | Rack (1U)                     | Width *                           | 439 mm          |
| Cooling type *                                  | Active                        | Depth *                           | 499 mm          |
| Product colour                                  | Black                         | Height *                          | 44 mm           |
|                                                 |                               | Weight                            | 7.58 kg         |
|                                                 |                               | Package weight                    | 9.54 kg         |
|                                                 |                               | Packaging content                 |                 |
|                                                 |                               | Cables included                   | AC, LAN (RJ-45) |
|                                                 |                               | Quick installation guide          | ✓               |
|                                                 |                               | Operational conditions            |                 |
|                                                 |                               | Operating temperature (T-T)       | 0 - 40 °C       |
|                                                 |                               | Operating relative humidity (H-H) | 5 - 95%         |

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