



# QNAP TS-463XU NAS Rack (1U) AMD G GX-420MC 4 GB DDR3L 48 TB HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-463XU-4G-48TB-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 + 48TB (WD Gold)

Storage		Design	
Storage drive capacity *	12 TB	Cable lock slot type	Kensington
Storage drive interface *	Serial ATA III	Performance	
Supported storage drive interfaces	Serial ATA III	Type *	NAS
Storage drive size	2.5/3.5"	Device class *	Home & Home Office
Storage drive sizes supported	2.5,3.5"	Backup function *	✓
RAID support *	✓	Backup features	Cloud, iSCSI LUN
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Buzzer	✓
Online RAID migration	✓	Multilingual support	✓
Online RAID expansion	✓	Noise level	36.5 dB
Hot-swap drive bays	✓	Web-based management	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Share folder access right management	✓
Storage drives installed *	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Total installed storage capacity *	48 TB	Access Control List (ACL)	✓
Number of storage drives installed *	4	Reset button	✓
Number of storage drives supported *	4	On/off switch	✓
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			
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		

Network		Software	
Wi-Fi	✘	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Supported network protocols	PPTP, L2TP/IPSec, OpenVPN VPN		
Ports & interfaces		Power	
USB port *	✓	Power supply location	Built-in
USB 2.0 ports quantity	3	Power supply unit (PSU) capacity	250 W
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Number of power supply units	1
Ethernet LAN (RJ-45) ports *	5	Power consumption (typical)	50.46 W
		Power consumption (HDD standby)	34.06 W
		AC input voltage	100 - 240 V
		AC input frequency	50 - 60 Hz
		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
Number of fans	2 fan(s)	Weight	7.58 kg
Fan diameter	4 cm	Package weight	9.54 kg
LED indicators	✓		
Cable lock slot	✓		
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Quick installation guide	✓
		Sustainability	
		Sustainability certificates	RoHS
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Compliance certificates	RoHS

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