QNAP TS-h973AX NAS Tower Ryzen Embedded V1500B 8 GB DDR4 70 TB HDD QuTS hero Black

Brand : QNAP

Product code: TS-H973AX-8G/70TB-REDPLUS

Product name : TS-h973AX

AMD Ryzen Embedded V1500B (4x 2.2GHz), 8GB DDR4, 5GB Flash, 5x 2.5"/3.5" SATA, 4x 2.5" SATA, LAN, USB
QNAP TS-h973AX. Type: NAS. Chassis type: Tower. Device class: Home & Home Office. Processor family: Ryzen Embedded, Processor model: V1500B, Processor frequency: 2.2 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 70 TB, Installed storage drive type: HDD. Operating system installed: QuTS hero

Storage	
Storage drive capacity *	18 TB
Storage drive interface *	Serial ATA II, Serial ATA III
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive size	2.5/3.5"
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	70 TB
Number of storage drives installed *	5
Number of storage drives supported *	9
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✓
Disk roaming	✓

Processor	
Processor manufacturer *	AMD
Processor family *	Ryzen Embedded
Processor model *	V1500B
Processor frequency *	2.2 GHz
Processor cores	4

Memory	
Internal memory *	8 GB
Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	2
Memory form factor	SO-DIMM
ECC	✓
Flash memory	5000 MB

Performance	
Type *	NAS
Device class *	Home & Home Office
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Number of users	2000 user(s)
Noise level	22.9 dB
Third-party support	✓
Snapshot	✓
Management protocols	SNMP
Web-based management	✓
Share folder access right management	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in BitTorrent client	✓
Built-in UPnP AV media server	✓
Built-in FTP server	✓
Browser supported	Safari, Chrome, Internet Explorer, Firefox
System log	✓
Hot spare	✓
Password authentication	✓
Disk scan	✓
S.M.A.R.T. support	✓
Share folder	AFP, CIFS/SMB, FTP, WebDAV
USB copy function	✓

Software	
Operating system installed *	QuTS hero
Operating system version	h5.0.0
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	100,1000,2500,5000,10000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
DHCP client	✓
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓
Wake-on-LAN ready	✓
Link aggregation	✓
Load balancing system	✓
Dynamic DNS (DDNS)	✓
WLAN adapter supported	✓

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports *	3

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	1 fan(s)
Fan diameter	14 cm
Drive bay locking	✓
LED indicators	HDD, LAN, Power, SSD, Status, USB
Cable lock slot	✓
Cable lock slot type	Kensington

Software	
Mac operating systems supported	✓
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Other operating systems supported	✓

Power	
Power supply location	External
Power supply unit (PSU) capacity	120 W
Number of power supply units	1
Power consumption (typical)	55.41 W
Power consumption (HDD standby)	41.2 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions	
Width *	224.6 mm
Depth *	224.1 mm
Height *	182.7 mm

Packaging content	
External power adapter	✓
Cables included	AC, LAN (RJ-45)
Power cables quantity	1
Number of screws	56

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C
Storage relative humidity (H-H)	5 - 95%

Logistics data	
Harmonized System (HS) code	84714100

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