ComX Computers
Product Specification Sheet

TS-870

QNAP® TurboNAS - 8-Bay Storage





Specifications

Overview:

QNAP TS-870, featuring the easy-to-use QTS 4.0 operating system, is a secure, scalable, and reliable NAS solution designed for mission-critical business applications and fast growing data storage needs. The TS-870 delivers high performance with persistent throughput.

Business apps all in one place
The QTS 4.0 provides various applications to meet business needs such as storage management, file sharing, virtualization applications, and more. All of the services and applications frequently used in business environments are organized on the desktop for quick access.

Ultra-high performance
The TS-870 delivers ultra-high performance achieving speeds. It is powered by a dual-core Intel 2.6 GHz processor, and features 4 Gigabit LAN ports (two onboard LAN ports plus one dual-port GbE PCI-Express NIC) to maximize system bandwidth.

Seamless storage expansion with scale-up solution
The TS-870 supports online capacity expansion by connecting multiple QNAP RAID expansion enclosures to meet the needs of growing business data. With the QNAP scale-up solution, raw storage capacity can be expanded to hundreds of Terabytes gradually. It is especially useful for large data applications, such as data archiving, virtualization, TV broadcast storage, and surveillance video storage.

Cross-platform file sharing, centralized data storage
The TS-870 supports SMB/CIFS, NFS, and AFP protocols for file sharing across Windows, Mac and Linux/UNIX networks. Data, logs and ISO image of CDs and DVDs can be centrally stored in the NAS and protected by an integrated antivirus solution. The Windows AD and LDAP services enable system administrators to configure user permissions by using existing Windows AD servers, LDAP servers or NAS build-in LDAP services.

Well-rounded backup solutions to secure data
The USB port on the front panel of the TS-870 features a one-touch-copy function for you to instantly back up data on external drives to the TS-870 with just one click, or back up data on the TS-870 to the external drives alternatively.

Data security
In an open network environment, business data may be exposed in a potential hack. The TS-870 provides numerous security options, such as encrypted access, IP blocking, and other protective features. IT administrators can also control the access

rights of each user to different folders, preventing unauthorized access to important files. The TS-870 is validated with military-grade FIPS 140-2 AES 256-bit encryption, preventing unauthorized users to access data even if the hard drives or entire system were stolen.

iSCSI/IP-SAN storage
The iSCSI feature provides businesses with an affordable IP-SAN (Storage Area Network) alternative. The QNAP IP-SAN is an excellent solution for IOPS-intensive applications such as databases and OLTP (On-Line Transaction Processing).
Most affordable solution for video editing storage
Digital film & video production produces a significant amount of data that requires high-performance RAID storage with sustainable throughput to meet the demands of high-definition video editing. The TS-870 fulfills these storage & video editing needs with 4 Gigabit LAN ports and the optional high-speed 10GbE network interface. Digital videos can be quickly stored and edited on the Turbo NAS directly over the network.

Reliable iSCSI target for surveillance video storage
The most frequently encountered challenge in deploying IP surveillance is how to set up or expand the storage capacity. The TS-870 supports reliable and high performance iSCSI target. Windows or Linux based VMS server can easily connect to the TS-870 through iSCSI to expand the storage capacity. It is an ideal solution for IP surveillance recording and archiving.

Whats in the box?

- QNAP TS-870
- 4 x network cable
- Software

Key Features

- Sleek Linux kernel with multi-window and multi-tasking GUI
- Advanced scale-up storage with flexible storage management
- SSD caching to boost IOPS
- Centralized data storage and file sharing
- Comprehensive data backup and disaster recovery solutions
- Military-grade data security
- iSCSI/IP-SAN storage with VMware, Citrix, and Microsoft Hyper-V virtualization support
- Private cloud with large storage capacity and Dropbox-style data synchronization
- Additional SMB-ready features including VPN server, web server, RADIUS server, and more
- Comprehensive surveillance solution with 24/7 security

Features:

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Specifications	
Product Code	TS-870
General	
Width	29.8 cm
Depth	23.5 cm
Height	18.5 cm
Weight	7.8 kg
Device Type	NAS server
Built-in Devices	Status LCD

Installed Devices / Modules Qty	8 (installed) / 8 (max)
Total Storage Capacity	32 TB
Host Connectivity	Gigabit Ethernet
Expansion / Connectivity	
Interfaces	4 x Ethernet 1000Base-T - RJ-45
	3 x USB 2.0 - Type A
	2 x eSATA
	2 x USB 3.0 - Type A
	1 x HDMI output
Expansion Bays	8 (total) / 0 (free) x hot-swap - 2.5" / 3.5"
Expansion Slots	X expansion slot
Networking	
Type	Network adapter
Features	DHCP support, VPN support, trunking, load balancing, LDAP support, VLAN support, wake on LAN (WOL), Syslog support, E-mail alert, print server, IPv6 support, antivirus analysis, IP address filtering, 256-bit encryption, firmware upgradable, proxy server, MySQL server, web server, torrent / P2P data exchange, backup server, download client, file sharing, event log, Trivial File Transfer Protocol (TFTP) support, RADIUS support, SSH support, iTunes server, Jumbo Frames support, DHCP server, Samba support, FTP server, SMS alert, BitTorrent Client, UPnP Media Server, Network Access Protection (NAP), IPv4 support, surveillance station, teaming support, Apple Time Machine compatible, Link Aggregation Control Protocol (LACP), TFTP server, DHCP client, e-mail notification, cloud backup, VPN Server
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Network / Transport Protocol	TCP / IP, UDP / IP, iSCSI, SMTP, FTP, DHCP, Bonjour, SMB, DDNS
Compliant Standards	IEEE 802.3ad (LACP), UPnP
Remote Management Protocol	SNMP 2, Telnet, SNMP 3, HTTP, HTTPS, TFTP, SSH
Encryption Algorithm	SSL, TLS, 256-bit AES
Network Services Compatibility	Microsoft Active Directory (AD), Apple Bonjour Protocol, File Level Security (ACLs), DHCP, DDNS, Microsoft CIFS, Network File System (NFS), FTP, FTPS, Server Message Block (SMB), Apple File Protocol (AFP), HTTP, HTTPS, Web-based Distributed Authoring and Versioning (WebDAV)
Miscellaneous	
Features	Audible alarm, lockable, K-lock security slot, built-in 2 cooling fans
Compliant Standards	AES-256
Cables Included	4 x network cable
Power	
Power Device	X internal power supply
Voltage Required	AC 120 / 230 V (50 / 60 Hz)
Power Consumption Operational	59.9 Watt
Power Provided	250 Watt

Software / System Requirements	
Software Included	Drivers & Utilities
OS Required	UNIX, Linux, Apple MacOS X, Microsoft Windows Server 2003, Microsoft Windows Server 2008 R2, Microsoft Windows Vista (32 / 64 bits), Microsoft Windows 7 (32 / 64 bits), Microsoft Windows XP (32 / 64 bits), Microsoft Windows Server 2012, Windows 8 (32 / 64 bits)
Storage Operating System	Linux
Environmental Parameters	
Min Operating Temperature	0 degreesC
Max Operating Temperature	35 degreesC
Humidity Range Operating	0 - 95% (non-condensing)
Storage Controller	
Type	RAID
Interface Type	SATA 6Gb / s / eSATA
RAID Level	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, JBOD, RAID 5 hot spare, RAID 6 hot spare, RAID 10 hot spare
Hard Drive	
Type	HDD - hot-swap
Capacity	8 x 4 TB
Processor / Memory	
Max Supported Qty	1
Processors Installed	1 x Intel 2.6 GHz
RAM Installed	2 GB - DDR3
Flash Memory Installed	512 MB
Number of Cores	Dual-Core

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/TS-870-QNAP-TurboNAS-8-Bay-Storage-p-84532.php

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