ComX Computers
Product Specification Sheet

TS-459-PRO+

QNAP TS-459 PRO+ 4 Bay NAS

Product Overview

QNAP TS-459 PRO+ 4 Bay NAS, Intel Atom 1.80GHz CPU, 1GB DDR3, delivers ultra high performance, reliability, and lower power consumption during intensive data transfers, advanced iSCSI services, cross-platform data sharing, and all-in-one server applications, VMware Ready and Citrix Ready certifications.



Specifications

Overview:

Modern business faces the challenge of dramatic growth of digital data, including documents, emails, applications, and so on. To deploy the IT environment with a reliable, affordable and expandable storage center to securely store, share, and back up the digital assets has become an important task for the server managers of the SMB and entry-level enterprise nowadays.

TS-459 Pro+ houses up to four 3.5-inch or 2.5-inch SATA hard disk drives, incorporates Intel Atom 1.8GHz dual core processor and 1GB memory, and is capable of delivering ultra high performance, reliability, and lower power consumption during intensive data transfers. The NAS is an efficient and powerful business storage center with advanced iSCSI services, cross-platform data sharing, and all-in-one server applications. With VMware Ready and Citrix Ready certification, and proven compatibility with Microsoft Hyper-V environment, the NAS is an ideal shared storage solution in the virtualized and clustered environment.

Features:

The Most Affordable and Flexible Virtualization Solution
TS-459 Pro+ is certified as compatible with VMware vSphere4 (ESX 4.0 and above) and Citrix XenServer virtualization platforms, and is also compliant with Windows 2008 Failover Cluster. The NAS can be utilized as the network shared storage of VMware, Citrix virtualization environments and Windows clustered servers. Comparing with traditional SAN (Storage Area Network), the NAS is a competitive alternative with much lower setup and maintenance costs in an IP SAN.

Feature-rich and Integrated Applications for Business
The NAS supports file sharing across Windows, Mac, Linux, and UNIX platforms. Versatile business applications such as file server, FTP server, printer server, web server, and Windows AD (Active Directory) support are provided. The dominant features, such as WebDAV, Share Folder Aggregation (also known as DFS), IPv6 and IPv4 dual-stack, Wake on LAN, schedule power on/ off, HDD S.M.A.R.T, comprehensive log systems, and policy-based unauthorized IP blocking are all included.

New iSCSI/IP SAN for Virtualization Deployments
Turbo NAS provides flexible and secure storage server deployment with the following enhanced iSCSI features:

NAS + iSCSI/IP SAN storage solution
Turbo NAS can serve as a NAS (network-attached storage) for file sharing and an iSCSI storage concurrently.

Flexible multiple LUNs management
The NAS supports multiple LUNs (Logical Unit Numbers) and iSCSI targets. The LUNs can be flexibly mapped to, unmapped from, and switched among different iSCSI targets.

Secure IP SAN environment deployment
Designed with CHAP authentication and LUN masking, the advanced ACL (Access Control List) offers you the capability to block the access from unauthorized initiators.

Designed for virtualized and clustered environments
Comparing with the high cost of Fibre Channel SAN, Turbo NAS is an affordable system that can be deployed as a storage center for virtualized and clustered server environments, such as VMware, Citrix and Microsoft Windows Failover Cluster.

Storage Expansion by Virtual Disk Drive (VDD)
The NAS supports flexible storage expansion by stacking other iSCSI targets on the network via its built-in iSCSI initiator. The connected iSCSI targets are turned into "virtual disk drives" of the NAS to provide more storage capacity.

Superior Performance and Energy-saving Design
The NAS delivers superior performance and high reliability for critical business applications. It is optimized to achieve low noise and low power consumption for environment protection.

Complete Data Backup Solution
The NAS offers complete backup solution for data protection, including cloud-based storage backup (Amazon S3 , ElephantDrive), Apple Time Machine support, encrypted remote replication, Real-time Remote Replication (RTRR), third party software backup, one-touch-copy backup and QNAP exclusive Windows-based utility NetBak Replicator. You can choose different backup modes for redundant data backup.

Cloud Storage Backup
The Turbo NAS supports Amazon S3 and ElephantDrive online backup and storage services. You can perform scheduled and real-time backup and access your data easily on the Internet.

Windows Client Backup Software - NetBak Replicator
QNAP NetBak Replicator is a utility provided for you to back up the files and folders from Windows PCs to Turbo NAS and restore the data. This software supports instant data backup and recovery, file filter, scheduled backup, and more.

Third-party Backup Software
The NAS is compatible with popular third-party backup software, for example, Acronis True Image, CA BrightStor ARCserve Backup, EMC Retrospect, and Symantec Backup Exec.

Remote Replication by Rsync
The data stored on the NAS can be remotely backed up to another QNAP Turbo NAS or to Rsync servers by Rsync over the network.

Real-time Remote Replication (RTRR)
Real-time Remote Replication (RTRR) provides real-time or scheduled data replication between the local NAS and a remote NAS, an FTP server, or an external drive.

Specifications:

Hardware Spec.	
CPU	Intel Atom 1.8GHz Dual-core Processor
DRAM	1GB RAM
Flash Memory	512MB DOM
HDD	2.5/ 3.5" SATA x4
	NOTE:
	1. The system is shipped without HDD.
	2. For the HDD compatibility list, please visit http://www.qnap.com/pro_compatibility.asp
HDD Tray	4 x Hot-swappable and lockable tray
LAN Port	2 x Gigabit RJ-45 Ethernet port
LED Indicators	Status, LAN, USB, eSATA, Power, HDD 1, HDD 2, HDD 3, HDD 4
USB	5 x USB 2.0 port (Front: 1; Back: 4)
	Support USB printer, pen drive, USB hub, and USB UPS etc.
eSATA	2 x eSATA port (Back)
Buttons	System: Power button, USB One-Touch-Backup Button, Reset button
LCD panel	Mono-LCD display with backlight
	Enter button, Select button for configuration
Alarm Buzzer	System warning
Form Factor	Tower
Dimensions	177 (H) x 180 (W) x 235 (D) mm
	6.97 (H) x 7.09 (W) x 9.25 (D) inch
Weight	Net weight: 3.65 kg
	Gross weight: 4.65 kg
Sound Level (dB)	w/o HDD installed: 34.7 dB
	Stand by: 34.1 dB
	In operation: 36.8 dB
	(with 4 x 500GB HDD installed)
Power Consumption (W)	Sleep mode: 19W
	In Operation: 35W
	Power-off (in WOL mode): 1W
	(with 4 x 500GB HDD installed)
Temperature	0~40?C
Humidity	0~95% R.H.
Power Supply	Input: 100-240V AC, 50/60Hz, Output: 250W
Secure Design	K-lock security slot for theft prevention
VGA	Reserved VGA interface for maintenance
Fan	1 x quiet cooling fan (9 cm, 12V DC)

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-459-PRO-QNAP-TS-459-PRO-4-Bay-NAS-p-51845.php

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