QNAP TS-H886 NAS Tower Ethernet LAN Black, Grey D-1622

Brand : QNAP **Product code:** TS-H886-D1622-16G/36TB-EXOS

Product name : TS-H886

- Four 2.5GbE ports accelerate file sharing across teams and devices, virtual machine applications or multimedia transmission
- DDR4 ECC memory detects and corrects single-bit memory errors, demonstrating high reliability for crucial applications
- Two M.2 NVMe Gen 3 x4 SSD slots (each slot providing up to 3.2 GB/s bandwidth) enable SSD caching to boost random read/write performance
- Two PCIe slots allow for 5GbE/10GbE/25GbE/40GbE adapters, QM2 cards, or entry-level graphics cards to increase application performance
- Scalable storage supporting virtual machines, containerized apps, centralized storage, backup, sharing, and disaster recovery
- QuTS hero combines ZFS advantages with the QTS App Center ecosystem to empower your business
Xeon D-1622 2.6 GHz, 16 GB DDR4, 5GB, 6x 3.5" + 2x 2.5", 2x M.2, 4x 2.5G LAN, 3x USB 3.2, 231.9x292.9x319.8 mm

Storage	
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
Number of M.2 (M & B) slots	2
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	36 TB
Number of storage drives installed *	8
Number of storage drives supported *	8
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✓
Disk roaming	✓

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Xeon® D
Processor model *	D-1622
Processor frequency *	2.6 GHz
Processor boost frequency	3.2 GHz
Processor cores	4
Processor threads	8
Processor cache	6 MB
CPU configuration (max)	1
PCI Express slots version	2.0, 3.0
Processor lithography	14 nm
Processor operating modes	64-bit
Processor package size	37.5 x 37.5 mm
Scalability	1S
Tcase	83 °C
Tjunction	105 °C
Thermal Design Power (TDP)	40 W
On-board graphics card model	Not available
Maximum internal memory supported by processor	128 GB

Performance	
Multilingual support	✓
Noise level	20.4 dB
Snapshot	✓
Web-based management	✓
Security algorithms	256-bit AES, AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓
Share folder	CIFS/SMB
Universal Plug and Play (UPnP)	✓
USB copy function	✓

Software	
Operating system installed *	QNAP Turbo System
Operating system version	4.5.0
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓
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 10.14 Mojave, Mac OS X 10.15 Catalina
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019

Power	
Power supply location	Built-in
Power supply unit (PSU) capacity	250 W
Number of power supply units	1
Power consumption (typical)	75.79 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz

Memory	
Internal memory type	DDR4
Maximum RAM supported	128 GB
Internal memory *	16 GB
Memory form factor	UDIMM
Flash memory	5000 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
DHCP client	✓
DHCP server	✓
Jumbo frames support	✓
Supported network protocols	TCP/IP, HTTP/HTTPS

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
Ethernet LAN (RJ-45) ports *	4
PCI Express x8 (Gen 3.x) slots	2

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black, Grey
Number of fans	3 fan(s)
Fan diameter	8 cm
Fan diameter 2	9.7 cm
LED indicators	HDD, SSD, Status
Built-in display	✓
Cable lock slot	✓
Cable lock slot type	Kensington

Performance	
Type *	NAS
Device class *	Large Enterprise Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓

Weight & dimensions	
Width *	292.9 mm
Depth *	319.8 mm
Height *	231.9 mm
Weight	8.5 kg

Packaging content	
Cables included	AC, LAN (RJ-45)
Number of screws	32

Processor special features	
Embedded options available	✗
Enhanced Intel SpeedStep Technology	✓
Execute Disable Bit	✓
Idle States	✓
Intel 64	✓
Intel QuickAssist Technology	✗
Intel Trusted Execution Technology	✓
Intel TSX-NI	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel® AES New Instructions (Intel® AES-NI)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® OS Guard	✓
Intel® Secure Key	✓
Intel® Turbo Boost Technology	2.0
Maximum number of PCI Express lanes	32
Thermal Monitoring Technologies	✓
Memory types supported by processor	DDR3-SDRAM, DDR4-SDRAM

Operational conditions	
Operating temperature (T-T)	0 - 35 °C
Operating relative humidity (H-H)	5 - 95%

Logistics data	
Harmonized System (HS) code	84714100

Other features	
Processor ARK ID	193687

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