



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



Brand : QNAP

Product code: TS-H886-D1622-16G/48TB-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		Performance	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Multilingual support	✓
Storage drive sizes supported	2.5,3.5"	Noise level	20.4 dB
Number of M.2 (M & B) slots	2	Snapshot	✓
RAID support *	✓	Web-based management	✓
RAID levels	0, 1, 5, 6, 10, 50, 60	Security algorithms	256-bit AES, AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Online RAID migration	✓	Access Control List (ACL)	✓
Online RAID expansion	✓	Reset button	✓
RAID rebuild	✓	On/off switch	✓
Hot-swap drive bays	✓	Built-in FTP server	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, ext3, ext4	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Storage drives installed *	✓	System log	✓
Total installed storage capacity *	48 TB	Hot spare	✓
Number of storage drives installed *	8	S.M.A.R.T. support	✓
Number of storage drives supported *	8	Share folder	CIFS/SMB
Installed storage drive type *	HDD	Universal Plug and Play (UPnP)	✓
Supported storage drive types *	HDD & SSD	USB copy function	✓
Bad block scan	✓	Software	
Disk roaming	✓	Operating system installed *	QNAP Turbo System
Processor		Operating system version	4.5.0
Processor manufacturer *	Intel	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Processor family *	Intel® Xeon® D	Linux operating systems supported	✓
Processor model *	D-1622	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
Processor frequency *	2.6 GHz	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Processor boost frequency	3.2 GHz	Power	
Processor cores	4	Power supply location	Built-in
Processor threads	8	Power supply unit (PSU) capacity	250 W
Processor cache	6 MB	Number of power supply units	1
CPU configuration (max)	1	Power consumption (typical)	75.79 W
PCI Express slots version	2.0, 3.0	AC input voltage	100 - 240 V
Processor lithography	14 nm	AC input frequency	50 - 60 Hz
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		

<b>Memory</b>		<b>Weight &amp; dimensions</b>	
Internal memory type	DDR4	Width *	292.9 mm
Maximum RAM supported	128 GB	Depth *	319.8 mm
Internal memory *	16 GB	Height *	231.9 mm
Memory form factor	UDIMM	Weight	8.5 kg
Flash memory	5000 MB	<b>Packaging content</b>	
<b>Network</b>		Cables included	AC, LAN (RJ-45)
Ethernet LAN *	✓	Number of screws	32
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	<b>Processor special features</b>	
DHCP client	✓	Embedded options available	✗
DHCP server	✓	Enhanced Intel SpeedStep Technology	✓
Jumbo frames support	✓	Execute Disable Bit	✓
Supported network protocols	TCP/IP, HTTP/HTTPS	Idle States	✓
<b>Ports &amp; interfaces</b>		Intel 64	✓
USB port *	✓	Intel QuickAssist Technology	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3	Intel Trusted Execution Technology	✓
Ethernet LAN (RJ-45) ports *	4	Intel TSX-NI	✓
PCI Express x8 (Gen 3.x) slots	2	Intel Virtualization Technology (VT-x)	✓
<b>Design</b>		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Chassis type *	Tower	Intel VT-x with Extended Page Tables (EPT)	✓
Cooling type *	Active	Intel® AES New Instructions (Intel® AES-NI)	✓
Product colour	Black, Grey	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Number of fans	3 fan(s)	Intel® OS Guard	✓
Fan diameter	8 cm	Intel® Secure Key	✓
Fan diameter 2	9.7 cm	Intel® Turbo Boost Technology	2.0
LED indicators	HDD, SSD, Status	Maximum number of PCI Express lanes	32
Built-in display	✓	Thermal Monitoring Technologies	✓
Cable lock slot	✓	Memory types supported by processor	DDR3-SDRAM, DDR4-SDRAM
Cable lock slot type	Kensington	<b>Operational conditions</b>	
<b>Performance</b>		Operating temperature (T-T)	0 - 35 °C
Type *	NAS	Operating relative humidity (H-H)	5 - 95%
Device class *	Large Enterprise Business	<b>Logistics data</b>	
Backup function *	✓	Harmonized System (HS) code	84714100
Backup features	Cloud, iSCSI LUN	<b>Other features</b>	
Buzzer	✓	Processor ARK ID	193687

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Publication date: 25-MAR-2024. Prints or copies of Information are only valid on the printed Publication date