



QNAP TS-H686-D1602-8G NAS Tower Ethernet LAN Black D-1602



Brand : QNAP

Product code: TS-H686-D1602-8G/8TB-IW

Product name : TS-H686-D1602-8G

- 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-1602 2.5 GHz, 8 GB DDR4, 5GB, 4x 3.5" + 2x 2.5", 2x M.2, 4x 2.5G LAN, 3x USB 3.2, 231.9x224.9x319.8 mm

Storage		Performance	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Backup features	Cloud, iSCSI LUN
Storage drive sizes supported	2.5,3.5"	Buzzer	✓
Number of M.2 (M & B) slots	2	Multilingual support	✓
RAID support *	✓	Noise level	18.6 dB
RAID levels	0, 1, 5, 6, 10, 50, 60	Snapshot	✓
Online RAID migration	✓	Web-based management	✓
Online RAID expansion	✓	Security algorithms	256-bit AES, AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
RAID rebuild	✓	Access Control List (ACL)	✓
Hot-swap drive bays	✓	Reset button	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, ext3, ext4	On/off switch	✓
Storage drives installed *	✓	Built-in FTP server	✓
Total installed storage capacity *	8 TB	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Number of storage drives supported *	6	System log	✓
Installed storage drive type *	HDD	Hot spare	✓
Supported storage drive types *	HDD & SSD	S.M.A.R.T. support	✓
Bad block scan	✓	Share folder	CIFS/SMB
Disk roaming	✓	Universal Plug and Play (UPnP)	✓
Processor		USB copy function	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Xeon® D	Operating system version	4.5.0
Processor model *	D-1602	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Processor frequency *	2.5 GHz	Linux operating systems supported	✓
Processor boost frequency	3.2 GHz	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 cores	2	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Processor threads	4	Power	
Processor cache	3 MB	Power supply location	Built-in
CPU configuration (max)	1	Power supply unit (PSU) capacity	250 W
Memory		Number of power supply units	1
Internal memory type	DDR4	Power consumption (typical)	61.115 W
Maximum RAM supported	128 GB	AC input voltage	100 - 240 V
Memory slots	4	AC input frequency	50 - 60 Hz
Internal memory *	8 GB		
Memory form factor	UDIMM		
Flash memory	5000 MB		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500 Mbit/s		
DHCP client	✓		

Network		Weight & dimensions	
DHCP server	✓	Width *	224.9 mm
Jumbo frames support	✓	Depth *	319.8 mm
Supported network protocols	TCP/IP, HTTP/HTTPS	Height *	231.9 mm
WLAN adapter supported	✓	Weight	7.27 kg
Ports & interfaces		Packaging content	
USB port *	✓	Cables included	AC, LAN (RJ-45)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4	Number of screws	30
Ethernet LAN (RJ-45) ports *	4	Processor special features	
PCI Express x8 (Gen 3.x) slots	2	Embedded options available	✗
Design		Enhanced Intel SpeedStep Technology	✓
Chassis type *	Tower	Execute Disable Bit	✓
Cooling type *	Active	Idle States	✓
Product colour	Black	Intel 64	✓
Number of fans	2 fan(s)	Intel QuickAssist Technology	✗
Fan diameter	8 cm	Intel Trusted Execution Technology	✓
Fan diameter 2	9.7 cm	Intel TSX-NI	✓
LED indicators	HDD, SSD, Status	Intel Virtualization Technology (VT-x)	✓
Cable lock slot	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Cable lock slot type	Kensington	Intel VT-x with Extended Page Tables (EPT)	✓
Performance		Operational conditions	
Type *	NAS	Operating temperature (T-T)	0 - 35 °C
Device class *	Large Enterprise Business	Operating relative humidity (H-H)	5 - 95%
Backup function *	✓	Logistics data	
		Harmonized System (HS) code	84714100

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

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