

QNAP TS-h686 NAS Tower Ethernet LAN Black D-1602





Brand: QNAP Product code: TS-H686-D1602-8G/16TB-REDPLUS

Product name: TS-h686

Intel Xeon D-1602 (2x 2.5GHz), 8GB DDR4, 5GB Flash, 4x 2.5"/3.5" + 2x 2.5", 2x M.2, 4x 2.5G RJ-45, 3xUSB 3.2 Gen1

QNAP TS-h686. Total installed storage capacity: 16 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: Intel® Xeon® D, Processor manufacturer: Intel, Processor model: D-1602. Internal memory: 8 GB, Internal memory type: DDR4, Maximum RAM supported: 128 GB. Ethernet LAN data rates: 10,100,1000,2500 Mbit/s. Chassis type: Tower, Cooling type: Active, Product colour: Black

Storage		Performance	
Storage Storage drive capacity * Storage drive interface * Supported storage drive interfaces Storage drive sizes supported Number of M.2 (M & B) slots RAID support * RAID levels Online RAID migration Online RAID expansion RAID rebuild Hot-swap drive bays	4 TB Serial ATA II, Serial ATA III M.2, Serial ATA II, Serial ATA III 2.5,3.5,M.2 2 0, 1, 5, 6, 10, 50, 60, JBOD	Performance Backup function * Backup features Buzzer Multilingual support Noise level Snapshot Management protocols Web-based management Security algorithms Access Control List (ACL) Reset button	Cloud, iSCSI LUN 18.6 dB SNMP 2/3 256-bit AES, AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Supported file systems Storage drives installed * Total installed storage capacity * Number of storage drives installed *	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	On/off switch Built-in FTP server Browser supported	Safari, Chrome, Internet Explorer, Firefox
Number of storage drives supported Installed storage drive type * Supported storage drive types * Bad block scan Disk roaming		System log Hot spare S.M.A.R.T. support Share folder Universal Plug and Play (UPnP) USB copy function	✓ ✓ ✓ CIFS/SMB ✓
Processor		Software	
Processor manufacturer * Processor family * Processor model * Processor frequency * Processor boost frequency Processor cores Processor threads Processor cache CPU configuration (max)	Intel Intel® Xeon® D D-1602 2.5 GHz 3.2 GHz 2 4 3 MB	Operating system installed * Operating system version Windows operating systems supported Linux operating systems supported Mac operating systems supported Server operating systems supported	QuTS hero h5.0.0 Windows 10, Windows 7, Windows 8 Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Processor family * Processor model * Processor frequency * Processor boost frequency Processor cores Processor threads Processor cache	Intel® Xeon® D D-1602 2.5 GHz 3.2 GHz 2 4 3 MB	Operating system version Windows operating systems supported Linux operating systems supported Mac operating systems supported	h5.0.0 Windows 10, Windows 7, Windows 8 Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows
Processor family * Processor model * Processor frequency * Processor boost frequency Processor cores Processor threads Processor cache CPU configuration (max) Memory Internal memory type Maximum RAM supported Memory slots Internal memory * Memory form factor ECC	Intel® Xeon® D D-1602 2.5 GHz 3.2 GHz 2 4 3 MB 1 DDR4 128 GB 4 8 GB UDIMM ✓	Operating system version Windows operating systems supported Linux operating systems supported Mac operating systems supported Server operating systems supported Power Power Power supply location Power supply unit (PSU) capacity Number of power supply units Power consumption (typical) AC input voltage Fan voltage	h5.0.0 Windows 10, Windows 7, Windows 8 Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 Built-in 250 W 1 61.115 W 100 - 240 V

Network		Packaging content	
DHCP server Jumbo frames support iSCSI support Wake-on-LAN ready Dynamic DNS (DDNS)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	Cables included Power cables quantity Number of screws Drive tray key included Processor special features	AC, LAN (RJ-45) 1 24 ✓
Ports & interfaces USB port * USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity Ethernet LAN (RJ-45) ports *	√ 3 4	Embedded options available Enhanced Intel SpeedStep Technology Execute Disable Bit Idle States	X √ √ √
PCI Express x8 (Gen 3.x) slots Design Chassis type * Cooling type * Product colour Number of fans Fan diameter Fan diameter 2	Tower Active Black 2 fan(s) 9 cm 9.7 cm	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)	* * * * * * * * * * * * *
LED indicators Built-in display Cable lock slot Cable lock slot type Performance Type *	HDD, LAN, SSD, Status, USB Kensington NAS	Operational conditions Operating temperature (T-T) Operating relative humidity (H-H) Storage temperature (T-T) Storage relative humidity (H-H)	0 - 40 °C 5 - 95% -20 - 70 °C 5 - 95%
Device class *	Home & Home Office	Logistics data Harmonized System (HS) code	84714100

