

## QNAP TDS-h2489FU Tallennuspalvelin Teline ( 2U ) Intel® Xeon Silver 4309Y 64 GB DDR4 0 TB QuTS hero musta, Hopea

**Tuotemerkki :** QNAP

**Tuotekoodi:** TDS-H2489FU-4309Y-64G

**Tuotteen nimi :** TDS-h2489FU



QNAP TDS-h2489FU. Malli: Tallennuspalvelin. Alustatyyppi: Teline ( 2U ). Laitteen luokka: Suuryritys. Suoritinperhe: Intel® Xeon Silver, Prosessorimalli: 4309Y, Prosessorin taajuus: 2,8 GHz. Sisäinen muisti: 64 GB, Sisäisen muistin tyyppi: DDR4. Asennetun muistin kokonaiskapasiteetti: 0 TB. Käyttöjärjestelmä asennettu: QuTS hero

Storage		Design	
Storage drive capacity *	0 GB	Product colour	Black, Silver
Supported storage drive interfaces	M.2, Serial ATA, Serial ATA II, Serial ATA III, U.2	Number of fans	6 fan(s)
Storage drive sizes supported	2.5,M.2	Fan diameter	6 cm
Number of M.2 (M & B) slots	2	LED indicators	Fan, Power, SSD, Status, Temperature
RAID support *	✓	Built-in display	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Display type	OLED
Online RAID expansion	✓	Performance	
RAID rebuild	✓	Type *	Storage server
Hot-swap drive bays	✓	Device class *	Large Enterprise Business
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Backup function *	✓
Storage drives installed *	✗	Backup features	Cloud, iSCSI LUN
Total installed storage capacity *	0 TB	Buzzer	✓
Number of storage drives supported *	24	Multilingual support	✓
Installed storage drive type *	✗	Snapshot	✓
Supported storage drive types *	HDD & SSD	Security algorithms	256-bit AES, AES, FIPS 140-2, SNMPv2, SNMPv3, TLS
Auto-rebuild	✓	Access Control List (ACL)	✓
Disk roaming	✓	Reset button	✓
Processor		On/off switch	✓
Processor manufacturer *	Intel	Built-in FTP server	✓
Processor family *	Intel Xeon Silver	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Processor model *	4309Y	System log	✓
Processor frequency *	2.8 GHz	Hot spare	✓
Processor boost frequency	3.6 GHz	S.M.A.R.T. support	✓
Processor cores	8	Software	
Processor threads	16	Operating system installed *	QuTS hero
Processor cache	12 MB	Operating system version	h5.0.0
Number of processors installed	2		
Memory			
Internal memory *	64 GB		
Internal memory type	DDR4		
Memory slots	32		
Memory form factor	RDIMM		

Memory		Software	
ECC	✓		Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 IoT Enterprise, Windows 10 Pro, Windows 10 Pro x64, Windows 10 x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Flash memory	5000 MB		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000,2500,25000 Mbit/s		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓	Windows operating systems supported	
Wake-on-LAN ready	✓		
Supported network protocols	IPv4, IPv6		
Dynamic DNS (DDNS)	✓		
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4		
Fiber ports quantity	2		
Fiber optic connector	SFP28		
Ethernet LAN (RJ-45) ports *	4	Linux operating systems supported	CentOS 7.0, SuSE Linux 12.0, SuSE Linux 12.3, Ubuntu 14.04, Ubuntu 14.10, Ubuntu 15.04, Ubuntu 15.10, Ubuntu 16.04, Ubuntu 16.10, Ubuntu 17.10
Concurrent connections	10000		
PCI Express x8 (Gen 4.x) slots	1		
PCI Express x16 (Gen 4.x) slots	1		
Design		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, Mac OS X 10.15.3 Catalina, Mac OS X 11.0 Big Sur
Chassis type *	Rack (2U)		
Cooling type *	Active	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
		Other operating systems supported	IBM AIX 7.1, IBM AIX 7.2, Solaris 10, Solaris 11
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	1200 W
		Number of power supply units	2
		Power consumption (typical)	467.59 W
		AC input voltage	100 - 240 V
		Fan voltage	12 V
		Weight & dimensions	
		Width *	446.2 mm
		Depth *	713.2 mm
		Height *	88.3 mm
		Weight	21.3 kg
		Package weight	27.6 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Power cables quantity	2
		Quick installation guide	✓
		Number of screws	98
		Drive tray key included	✓
		Operational conditions	
		Operating temperature (T-T)	0 - 35 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C
		Logistics data	
		Harmonized System (HS) code	84714100

### Other features

Fibre Channel





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