QNAP

QNAP TDS-h2489FU NAS Teline (2U) Intel® Xeon Silver 4314 256 GB DDR4 0 TB QuTS hero musta, Hopea

Tuotemerkki : QNAP   **Tuotekoodi:** TDS-H2489FU-4314-256G

Tuotteen nimi : TDS-h2489FU

QNAP TDS-h2489FU. Malli: NAS. Alustatyyppi: Teline (2U). Laitteen luokka: Suuryritys. Suoritinperhe: Intel® Xeon Silver, Prosessorimalli: 4314, Prosessorin taajuus: 2,4 GHz. Sisäinen muisti: 256 GB, Sisäisen muistin tyyppi: DDR4. Asennetun muistin kokonaiskapasiteetti: 0 TB. Käyttöjärjestelmä asennettu: QuTS hero
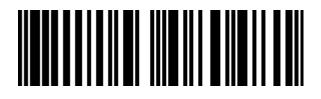
Storage			Design	
Storage drive capacity *	0 GB		Product colour	Black, Silver
Supported storage drive interfaces	M.2, Serial ATA, Serial ATA II, Serial ATA III, U.2		Number of fans	6 fan(s)
			Fan diameter	6 cm
Storage drive sizes supported	2.5,M.2		LED indicators	Fan, Power, SSD, Status, Temperature
Number of M.2 (M & B) slots	2			
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 *	NAS
Hot-swap drive bays	✔		Device class *	Large Enterprise Business
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4		Backup function *	✔
			Backup features	Cloud, iSCSI LUN
Storage drives installed *	✘		Buzzer	✔
Total installed storage capacity *	0 TB		Multilingual support	✔
Number of storage drives supported *	24		Snapshot	✔
Installed storage drive type *	✘		Security algorithms	256-bit AES, AES, FIPS 140-2, SNMPv2, SNMPv3, TLS
Supported storage drive types *	HDD & SSD		Access Control List (ACL)	✔
Auto-rebuild	✔		Reset button	✔
Disk roaming	✔		On/off switch	✔
Processor			Built-in FTP server	✔
Processor manufacturer *	Intel		Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Processor family *	Intel Xeon Silver			
Processor model *	4314		System log	✔
Processor frequency *	2.4 GHz		Hot spare	✔
Processor boost frequency	3.4 GHz		S.M.A.R.T. support	✔
Processor cores	16			
Processor threads	32		**Software**	
Processor cache	24 MB		Operating system installed *	QuTS hero
Number of processors installed	2		Operating system version	h5.0.0
Memory				
Internal memory *	256 GB			
Internal memory type	DDR4			
Memory slots	32			
Memory form factor	RDIMM			

Memory

ECC	✔
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	✔
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
Concurrent connections	10000
PCI Express x8 (Gen 4.x) slots	1
PCI Express x16 (Gen 4.x) slots	1

Design

Chassis type *	Rack (2U)
Cooling type *	Active

Software

Windows operating systems supported	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, 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
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
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
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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