QNAP TVS-H1288X-W1250-16G NAS Tower Ethernet LAN Black W-1250

Brand : QNAP

Product code: TVS-H1288X-W1250-16G/32TB-REDPRO

Product name : TVS-H1288X-W1250-16G

Intel Xeon W-1250 6-core 3.3 GHz, 16 GB DDR4, 5 GB Flash, 8 x 3.5"/2.5" HDD/SSD + 4 x 2.5" SSD SATA 6Gb/s
QNAP TVS-H1288X-W1250-16G. Total installed storage capacity: 32 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: Intel® Xeon®, Processor manufacturer: Intel, Processor model: W-1250. Internal memory: 16 GB, Internal memory type: DDR4, Maximum RAM supported: 128 GB. Ethernet LAN data rates: 100,1000,2500,10000 Mbit/s, Ethernet LAN data rate supported (max): 10000 Mbit/s. HDMI version: 1.4b

Storage	
Storage drive interface *	M.2, Serial ATA III
Supported storage drive interfaces	M.2, Serial ATA III
Storage drive sizes supported	2.5,3.5,M.2
Number of M.2 (M & B) slots	2
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Storage drives installed *	✓
Total installed storage capacity *	32 TB
Number of storage drives installed *	12
Number of storage drives supported *	12
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Xeon®
Processor model *	W-1250
Processor frequency *	3.3 GHz
Processor boost frequency	4.7 GHz
Processor cores	6
Processor threads	12
Processor cache	12 MB
CPU configuration (max)	1

Memory	
Internal memory type	DDR4
Maximum RAM supported	128 GB
Memory slots	4
Internal memory *	16 GB
Memory form factor	UDIMM
ECC	✓
Flash memory	5000 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	100,1000,2500,10000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓

Design	
Fan diameter 2	9.7 cm
LED indicators	HDD, LAN, SSD, System, USB
Built-in display	✓
Display type	LCD
Cable lock slot	✓
Cable lock slot type	Kensington
Built-in speaker(s)	✓
Number of built-in speakers	1

Performance	
Type *	NAS
Backup function *	✓
Backup features	Cloud, USB drive, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Noise level	26 dB
Third-party support	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Safari, Google Chrome, Internet Explorer, Mozilla Firefox
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓

Software	
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓
Mac operating systems supported	✓
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	✓

Power	
Power supply location	Built-in
Power supply unit (PSU) capacity	550 W
Power consumption (typical)	97.492 W
Power consumption (sleep)	85.216 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Network	
Wake-on-LAN ready	✓
Load balancing system	✓
Dynamic DNS (DDNS)	✓

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
HDMI ports quantity	1
HDMI version	1.4b
Ethernet LAN (RJ-45) ports *	6
3.5 mm (1/8-inch) out	✓
PCI Express x4 (Gen 3.x) slots	2
PCI Express x8 (Gen 3.x) slots	1
Microphone in	✓
Audio in/out	✓

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	5 fan(s)
Fan diameter	8 cm

Weight & dimensions	
Width *	369.9 mm
Depth *	319.8 mm
Height *	234.6 mm
Weight	11.3 kg

Packaging content	
Cables included	AC, LAN (RJ-45)
Number of screws	48

Processor special features	
Embedded options available	✗
Enhanced Intel SpeedStep Technology	✓
Execute Disable Bit	✓
Idle States	✓
Intel 64	✓
Intel Clear Video Technology	✓
Intel Trusted Execution Technology	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel VT-x with Extended Page Tables (EPT)	✓

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C

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