QNAP

QNAP TS-1273AU-RP-8G/24TB-EXOS NAS/storage server Rack (2U) Ryzen Embedded V1500B 8 GB DDR4 HDD QNAP Turbo System Black, Grey



Brand : QNAP **Product code:** TS-1273AU-RP-8G/24TB-EXOS

Product name: TS-1273AU-RP-8G/24TB-EXOS

AMD Ryzen Embedded V1500B, 8 GB UDIMM DDR4 (1 x 8 GB), 5 GB Flash, 12 x 3.5-inch SATA 2/3, 89 x 482 \times 425 mm, 300W (x2) PSU, 100 - 240V

QNAP TS-1273AU-RP-8G/24TB-EXOS. Type: NAS. Chassis type: Rack (2U). Device class: Small & Medium Business. Processor family: Ryzen Embedded, Processor model: V1500B, Processor frequency: 2.2 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 24 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



Storage drive interface * Serial ATA II, Serial ATA III				
Supported storage drive interfaces Storage drive size Storage drive size Storage drive size 2,5/3,5° Chassis type * Rack (2U) Cooling type * Active RAID support *	Storage		Ports & interfaces	
Storage drive size 2.5/3.5" Chassis type * Rack (2U) Storage drive sizes supported 2.5,3.5" Cooling type * Active RAID support * V RAID levels 0,1,5,6,10,50,60,JBOD Number of fans 2 2 fan(s) Online RAID migration	Storage drive interface *	Serial ATA II, Serial ATA III	Ethernet LAN (RJ-45) ports *	2
Storage drive sizes supported ALD support* ALD supported file systems ALD supported storage drives installed * ALD supported storage drives supported ALD supported storage drives supported ALD supported storage drive type * ALD supported storage drive type * ALD supported storage drive supported ALD supported storage drive type * ALD supported storage drive supported ALD supported storage drive supported ALD supported storage drive supported ALD supported supported ALD supported supported ALD supported A			Design	
RAID levels 0, 1, 5, 6, 10, 50, 60, JBOD Number of fans 2 fan(s) Online RAID migration	Storage drive sizes supported	supported 2.5,3.5"	• •	, ,
Online RAID migration Online RAID expansion V Fan diameter Fan diameter Raid prebuild V Hot-swap drive bays Supported file systems Storage drives installed V Total installed storage capacity V Installed storage drives installed V Installed storage drive supported V Installed storage drive supported V Installed storage drive type HDD Multilingual support W Installed storage drive type HDD Multilingual support V Installed storage drive type HDD Multilingual support ACCESS Control List (ACL) Reset button V Reset bu	• •	·	Product colour	Black, Grey
Online RAID expansion RAID rebuild Hot-swap drive bays Supported file systems Storage drives installed* 7 Type * NAS Total installed storage capacity * 24 TB Number of storage drives installed * 12 Number of storage drives supported 12 Number of storage drives supported 12 Number of storage drive type * HDD Number of storage drive type * NAS Number of storage drive supported Number of storage drive type * NAS Number of storage drive supported Number of storage drive type * NAS Number of storage drive supported Numb		•	Number of fans	2 fan(s)
RAID rebuild Hot-swap drive bays Supported file systems FAT32, HFS+, NTFS, ext3, ext4 Performance Storage drives installed * Total installed storage capacity * Number of storage drives installed * Number of storage drives supported to the storage drive storage drive storage drives supported to the storage drive stora	•	1	Fan diameter	8 cm
Hot-swap drive bays Supported file systems FAT32, HFS+, NTFS, ext3, ext4 FAT52, HFS+, NTFS, ext3, ext4 FYPE Type* NAS NAS Total installed storage capacity* Number of storage drives installed* 12 Number of storage drives supported of storage drives installed* Installed storage capacity* HDD Multilingual support Supported storage drive type* HDD Supported storage drive type* HDD Supported storage drive types* HDD Supported storage drive types* HDD Supported storage drive types* HDD Multilingual support Security algorithms Access Control List (ACL) Reset button On/off switch Reset button On/off switch Reset button Visous R	'	1		
Storage drives installed 7 Type 8 NAS Total installed storage capacity 24 TB 8 Device class 8 Small & Medium Business 7 Small & Medium Business 8 Small & Medium Business 8 Small & Medium Business 9 Spall & M	Hot-swap drive bays	V	LED indicators	HDD, LAN, Power, Status, USB
Total installed storage capacity * 24 TB Device class * Small & Medium Business Number of storage drives installed * 12 Backup function * V Number of storage drives supported 12 Backup features Cloud, ISCSI LUN ** Installed storage drive type * HDD Multilingual support V Supported storage drive types * HDD SSD ** ** ** ** ** ** ** ** **	Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Performance	
Number of storage drives installed * 12 Number of storage drives supported 12 Backup features Buzzer Multilingual support VSupported storage drive type * HDD Supported storage drive types * HDD & SSD Processor Processor Processor manufacturer * AMD Processor family * Ryzen Embedded Processor frequency * 2.2 GHz Processor ores 4 System log Processor ores 4 System log Processor ores 4 System log L2 cache 2 MB Disk scan L3 cache 4 MB Disk scan S.M.A.R.T. support S.M.A.R.T. support Share folder CIFS/SMB Internal memory * 8 GB Maximum RAM supported Maximum RAM supported Maximum RAM supported Memory Slots DIMM Memory Share for feature supported Mindows operating system version Memory form factor DIMM Supported Nac OS X 10.10 Yosemite, Mac OS X 10.11 High Sierra, Mac OS X 10.13 Hi	Storage drives installed *	✓	Type *	NAS
Number of storage drives supported * Backup features Buzzer	Total installed storage capacity *	24 TB	Device class *	Small & Medium Business
* Installed storage drive type * HDD	Number of storage drives installed *	12	Backup function *	✓
Installed storage drive type * HDD Multilingual support	Number of storage drives supported	1 12	Backup features	Cloud, iSCSI LUN
Supported storage drive types * HDD & SSD Processor Processor manufacturer * AMD Processor family * Ryzen Embedded Processor model * V1500B Processor frequency * 2.2 GHz Processor cores Processor threads L2 cache L3 cache L3 cache L3 cache L3 cache L3 cache Memory Memory Memory Memory B GB Software Internal memory * 8 GB Maximum RAM supported Maximum RAM supported Memory slots Processor Memory Memory Motitingual support Security algorithms Security algorithme Apple Self-bit AES, FIPS 140-2, Algorithme Accounted Accounted algorithme Security algorithme Accounted algorith	Installed stores as drive type *	LIDD		
Processor Processor manufacturer* AMD Processor family* Ryzen Embedded Processor frequency* V1500B Processor frequency* 2.2 GHz Processor cores 4 Processor threads 8 Processor threads 9 Processor threads 8 Processor threads 9 Procesor threads 9 Procesor threads 9 Pr	• • • • • • • • • • • • • • • • • • • •		Multilingual support	•
Processor manufacturer * AMD Processor family * Ryzen Embedded Processor family * Ryzen Embedded Processor model * V1500B Processor frequency * 2.2 GHz Processor frequency * 2.2 GHz Processor cores Processor cores Processor threads Processor thre	Processor	עט ע אַטט	Security algorithms	
Processor family * Ryzen Embedded On/off switch On/off switch Apple Safari 7+, Google Chrome, Mozilla Firefox Processor frequency * 2.2 GHz Browser supported Apple Safari 7+, Google Chrome, Mozilla Firefox Processor cores 4 System log Mozilla Firefox Processor threads 8 Hot spare	Processor manufacturer *	AMD	Access Control List (ACL)	1
Processor model * V1500B Processor frequency * 2.2 GHz Processor frequency * 2.2 GHz Processor cores			Reset button	✓
Processor frequency * 2.2 GHz Browser supported Apple Safari 7+, Google Chrome, Mozilla Firefox Processor cores 4 System log Processor threads 8 Hot spare L2 cache 2 MB Disk scan L3 cache 4 MB S.M.A.R.T. support Memory Share folder CIFS/SMB Internal memory * 8 GB Software Internal memory type DDR4 Operating system installed * QNAP Turbo System Maximum RAM supported 32 GB Operating system version Memory slots 2 Windows operating systems Supported Unity 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 10.13 High Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Misines Mission Mac OS X 10 Mission Sierra, Mac OS X 10.15 Sierra, Mac OS X 10.15 Mission Sierra, Mac OS X 10.18 High Sierra, Mac OS X 10.19 Mission Sierra, Mac OS X 10.18 High Sierra, Mac OS X 10.14 High Sierra, Mac OS X 10.18	•	•	On/off switch	•
Processor threads 8 Hot spare L2 cache 2 MB Disk scan L3 cache 4 MB S.M.A.R.T. support Memory Share folder CIFS/SMB Internal memory * 8 GB Internal memory type DDR4 Operating system installed * ONAP Turbo System Maximum RAM supported 32 GB Operating system version 4.4.2 Memory slots 2 Windows operating systems Memory form factor DIMM Supported Flash memory 5000 MB Linux operating systems supported Network Ethernet LAN * Mac operating systems supported Mac operating systems supported Mac operating systems supported 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 10.11 Righ Sierra, Mac OS X 10.11 Righ Sierra, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Highs Defra, Mac OS X 10.15 Highs Defra Highs Defra	Processor frequency *	2.2 GHz	Browser supported	
L2 cache 2 MB Disk scan L3 cache 4 MB S.M.A.R.T. support Memory Internal memory * 8 GB Internal memory type DDR4 Operating system installed * QNAP Turbo System Maximum RAM supported 32 GB Operating system version 4.4.2 Memory slots 2 Windows operating systems Memory form factor DIMM Supported Flash memory 5000 MB Linux operating systems supported Network Ethernet LAN * Mac operating systems supported Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.11 Slignts, Mac OS X 10.11 Slignts, Mac OS X 10.14 M			,	
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Internal memory * 8 GB Internal memory type DDR4 Operating system installed * QNAP Turbo System Maximum RAM supported 32 GB Operating system version 4.4.2 Windows operating systems Supported Windows operating systems Supported Windows 10, Windows 7, Windows 8 Linux operating systems supported Network Ethernet LAN * 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 OF X 10.14 Nations Mac OS X 10.10 Yosemite, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OF X 10.14 Nations Mac OS X 10.10 Yosemite, Mac OS X 10.10 Yosemite, Mac OS X 10.11 Rights Sierra, Mac OF X 10.14 Nations Mac OS X 10.12 Sierra, Mac OF X 10.14 Nations Mac OS X 10.10 Yosemite, Mac OS X 10.10 Yosemite, Mac OS X 10.10 Yosemite, Mac OS X 10.11 Rights Sierra, Mac OF X 10.14 Nations Mac OS X 10.10 Yosemite, Mac OS X 10.10 Yosemite, Mac OS X 10.11 Rights Sierra, Mac OF X 10.14 Nations Mac OS X 10.12 Sierra, Mac OS X 10.14 Nations Mac OS X 10.12 Sierra, Mac OS X 10.14 Nations Mac OS X 10.12 Sierra, Mac OS X 10.14 Nations Mac OS X 10.12 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations Mac OS X 10.14 Sierra, Mac OS X 10.14 Nations M		41118	· ·	CIEC/CMP
Internal memory type DDR4 Operating system installed * QNAP Turbo System 4.4.2 Memory slots 2 Windows operating systems supported Windows 10, Windows 7, Windows 8 Linux operating systems supported Network Ethernet LAN * Accoparating system version Linux operating systems Windows 10, Windows 7, Windows 8 Windows 10, Windows 7, Windows 8 Windows 10, Windows 7, Windows 8 V Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Si	•			CIF2/2MB
Maximum RAM supported 32 GB Operating system version 4.4.2 Windows operating systems Supported Windows 10, Windows 7, Windows 8 Linux operating systems supported Network Ethernet LAN ★ 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 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 High S			Software	
Memory slots 2 Windows operating systems supported Windows 10, Windows 7, Windows 8 Memory form factor DIMM supported Windows 10, Windows 7, Windows 8 Linux operating systems supported Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Ethernet LAN * Mac operating systems supported Sierra, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mac OS X 10.14 Mac OS X 10.15 Mac OS X 10.15 Mac OS X 10.16 Mac OS X 10.16 Mac OS X 10.17 Mac O			Operating system installed *	
Memory form factor DIMM supported Windows 10, Windows 7, Windows 8 Flash memory 5000 MB Linux operating systems supported Network Ethernet LAN * Mac operating systems supported Mac operating systems supported Windows 10, Windows 7, Windows 8 Windows 10, Windows 7, Windows 8 V Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 El Capitan, Mac OS X 10.13 High Servation Mac OS X 10.13 High Servation Mac OS X 10.13 High Servation Mac OS X 10.14 High Servation Mac OS X 10.15 High Servation Mac OS X 10.14 High Servation Mac OS X 10.15 High Servation Mac OS X 10.14 High Servation	• •			4.4.2
Flash memory 5000 MB Linux operating systems supported Network Ethernet LAN * 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 10.13 High Sierra, Mac OS X 10.14 Maintenance Mac OS X 10.14 Mac OS X 10.14 Maintenance Mac	•			Windows 10, Windows 7, Windows 8
Network Ethernet LAN * Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mainte Mac OS X 10.14 Maint	•		• •	1
Ethernet LAN * Mac operating systems supported Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mainus Mac OS X	Network	3000 PID	Emax operating systems supported	Mac OS X 10.10 Yosemite, Mac OS X
Ethornot LAN data rates 100 1000 2500 Mbit/s Mac OS X 10.14 Mojave, Mac OS X	Ethernet LAN *	1	Mac operating systems supported	• •
	Ethernet LAN data rates	100,1000,2500 Mbit/s	mac operating systems supported	Mac OS X 10.14 Mojave, Mac OS X
DHCP client ✓ 10.15 Catalina, Mac OS X 10.15.3 Catalina	DHCP client	1		•
	DHCP server	✓		-

Network		Software	
Jumbo frames support iSCSI support Wake-on-LAN ready Dynamic DNS (DDNS)	* * * *	Server operating systems supported	Windows Server 2008 R2, Windows Server 2008 R2 x64, Windows Server 2012, Windows Server 2012 R2, Windows Server 2012 R2 x64, Windows Server 2012 x64, Windows Server 2016, Windows Server 2016 x64, Windows Server 2019
Ports & interfaces			
USB port * USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	✓	Other operating systems supported	Solaris 10
	1	Power	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Power supply location Power supply unit (PSU) capacity Number of power supply units	Built-in 300 W 2
		AC input voltage	100 - 240 V
		Weight & dimensions	
		Width * Depth * Height * Weight	482 mm 425 mm 89 mm 9.69 kg
		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%

