



# QNAP TS-473A-8G/48TB-IWP NAS/storage server Tower Ryzen Embedded V1500B 8 GB DDR4 HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-473A-8G/48TB-IWP

**Product name :** TS-473A-8G/48TB-IWP

- Both 2.5GbE ports are backwards compatible with 1GbE/ 100MbE speeds. Up to 5 Gbps transfer speeds can be achieved by using port trunking
  - Add extra functionality with PCIe cards, including 10GbE ports, SSD caching, extra USB 3.2 Gen 2 ports, wireless networking, or Fibre Channel
  - Supports entry-level NVIDIA® graphics cards for video processing or GPU-passthrough to VMs
  - Features two M.2 PCIe NVMe SSD slots for Qtier Technology and SSD Caching enable constant storage optimization
  - Host containerized applications and virtual machines with various operating systems
  - Features QTS operating system and supports switching to ZFS-based QuTS hero for greater reliability
- AMD Ryzen Embedded V1500B (4x 2.2 GHz), 8GB DDR4, 4x 2.5"/3.5" SATA, 3x Type-A USB 3.2 Gen, HDMI, 1x Type-C USB 3.2 Gen

Storage		Design	
Storage drive interface *	Serial ATA II, Serial ATA III	Product colour	Black
Supported storage drive interfaces	M.2, Serial ATA II, Serial ATA III	Number of fans	2 fan(s)
Storage drive sizes supported	2.5,3.5,M.2	Fan diameter	12 cm
Number of system drives installed	1	Fan diameter 2	6 cm
System drive capacity	5 GB	Drive bay locking	✓
Number of M.2 (M & B) slots	2	LED indicators	✓
RAID support *	✓	Performance	
RAID levels	0, 1, 5, 6, 10, JBOD	Type *	NAS
Online RAID migration	✓	Device class *	Small & Medium Business
Online RAID expansion	✓	Backup function *	✓
RAID rebuild	✓	Backup features	Cloud, USB drive, iSCSI LUN
Hot-swap drive bays	✓	Buzzer	✓
Storage drives installed *	✓	Noise level	21.4 dB
Total installed storage capacity *	48 TB	Snapshot	✓
Number of storage drives installed *	4	Security algorithms	256-bit AES, FIPS 140-2, SSH, SSL/TLS
Number of storage drives supported *	4	Reset button	✓
Installed storage drive type *	HDD	On/off switch	✓
Supported storage drive types *	HDD & SSD	Built-in FTP server	✓
Processor		Browser supported	Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari
Processor manufacturer *	AMD	Password authentication	✓
Processor family *	Ryzen Embedded	Disk scan	✓
Processor model *	V1500B	S.M.A.R.T. support	✓
Processor frequency *	2.2 GHz	Remotely operated	✓
Processor cores	4	USB copy function	✓
Processor threads	8	Software	
Memory		Operating system installed *	QNAP Turbo System
Internal memory *	8 GB	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Internal memory type	DDR4	Linux operating systems supported	✓
Maximum RAM supported	64 GB	Mac operating systems supported	Mac OS X 10.10 Yosemite
Memory slots	2	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Memory form factor	SO-DIMM	Power	
Flash memory	5000 MB	Power supply location	Built-in
Network		Power supply unit (PSU) capacity	250 W
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500 Mbit/s		
DHCP server	✓		
Jumbo frames support	✓		

Network		Power	
Wake-on-LAN ready	✓	Number of power supply units	1
Dynamic DNS (DDNS)	✓	Power consumption (typical)	29.792 W
WLAN adapter supported	✓	Power consumption (HDD standby)	19.576 W
Ports & interfaces		AC input voltage	100 - 240 V
USB port *	✓	AC input frequency	50 - 60 Hz
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1	Fan voltage	12 V
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3	Weight & dimensions	
Ethernet LAN (RJ-45) ports *	2	Width *	199.3 mm
PCI Express x4 (Gen 3.x) slots	2	Depth *	280.8 mm
Design		Height *	188.2 mm
Chassis type *	Tower	Packaging content	
Cooling type *	Active	Cables included	AC, LAN (RJ-45)
		Power cables quantity	1
		Number of screws	24
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C
		Storage relative humidity (H-H)	5 - 95%

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