



# QNAP TS-462-4G NAS/storage server Tower Ethernet LAN White N4505



Brand : QNAP

Product code: TS-462-4G

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- 2.5GbE port: Immediately multiply your network speed by 2.5 times while using existing CAT5e cables
  - HDMI port: 4K media playback and real-time transcoding; directly watch videos using HDMI 2.0 (4K @60Hz) output
  - AI-powered image recognition: Supports Edge TPU (optional purchase) for supercharged AI-powered image recognition
  - Dual M.2 PCIe slots: Attain greater NAS performance by installing M.2 2280 NVMe PCIe SSDs (sold separately)
  - PCIe slot: Install a PCIe Gen3 x2 card to expand the core functionality of the TS-462, including a Multi-Gig 10GbE/5GbE network card, a USB 3.2 Gen 2 (10Gbps) card, or a Wi-Fi 6 network card
  - Expand storage capacity: Flexibly scale your total storage capacity by connecting USB expansion enclosures (please see the compatibility list)
- 4 x 3.5", Intel Celeron N4505, 4 GB SODIMM DDR4, 4GB Flash, LAN, 90 W, 100-240 V, 168 x 170 x 226 mm, 2.26 kg

Storage		Performance	
Supported storage drive interfaces	Serial ATA III	Type *	NAS
Storage drive sizes supported	3.5,M.2,2.5	Device class *	Home & Home Office
Number of M.2 (M & B) slots	2	Backup function *	✓
RAID support *	✓	Backup features	Cloud, iSCSI LUN
RAID levels	0, 1, 5, 6, 10, JBOD	Buzzer	✓
Online RAID migration	✓	Multilingual support	✓
Online RAID expansion	✓	Snapshot	✓
RAID rebuild	✓	Access Control List (ACL)	✓
Storage drives installed *	✗	On/off switch	✓
Number of storage drives supported *	4	Built-in FTP server	✓
Installed storage drive type *	✗	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Supported storage drive types *	HDD & SSD	System log	✓
Bad block scan	✓	Disk scan	✓
Disk roaming	✓	S.M.A.R.T. support	✓
<b>Processor</b>		Share folder	✓
Processor manufacturer *	Intel	<b>Software</b>	
Processor family *	Intel® Celeron®	Operating system installed *	QNAP QTS
Processor model *	N4505	Operating system version	5.0.1
Processor frequency *	2 GHz	Windows operating systems supported	Windows 10, Windows 11, Windows 7, Windows 8
Processor boost frequency	2.9 GHz	Linux operating systems supported	✓
Processor cores	2	Mac operating systems supported	Mac OS X 10.10 Yosemite, 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, Mac OS X 12.0 Monterey
Processor threads	2	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
CPU configuration (max)	1	<b>Power</b>	
Number of processors supported	1	Power supply location	Built-in
On-board graphics card model	Intel® UHD Graphics	Power supply unit (PSU) capacity	90 W
<b>Memory</b>		Number of power supply units	1
Internal memory type	DDR4	Power consumption (typical)	25.98 W
Maximum RAM supported	16 GB	Power consumption (sleep)	11.3 W
Memory slots	2	AC input voltage	100 - 240 V
Internal memory *	2 GB	<b>Network</b>	
Memory form factor	SO-DIMM	Ethernet LAN *	✓
<b>Network</b>		Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Ethernet LAN *	✓	DHCP server	✓
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	iSCSI support	✓
DHCP server	✓		
iSCSI support	✓		

<b>Network</b>		<b>Power</b>	
Wake-on-LAN ready	✓	Fan voltage	12 V
Dynamic DNS (DDNS)	✓	<b>Weight &amp; dimensions</b>	
<b>Ports &amp; interfaces</b>		Width *	170 mm
USB port *	✓	Depth *	226 mm
USB 2.0 ports quantity	2	Height *	168 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Weight	2.26 kg
HDMI ports quantity	1	Package weight	3.6 kg
HDMI version	2.0	<b>Processor special features</b>	
Ethernet LAN (RJ-45) ports *	1	Enhanced Intel SpeedStep Technology	✓
<b>Design</b>		Idle States	✓
Chassis type *	Tower	Intel 64	✓
Cooling type *	Active	Intel Trusted Execution Technology	✗
Product colour	White	Intel Virtualization Technology (VT-x)	✓
Number of fans	1 fan(s)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Fan diameter	12 cm	Intel VT-x with Extended Page Tables (EPT)	✓
LED indicators	✓	<b>Operational conditions</b>	
Cable lock slot	✓	Operating temperature (T-T)	0 - 40 °C
Cable lock slot type	Kensington	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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