QNAP

QNAP TS-462-4G NAS/storage server Tower Intel® Celeron® N4505 2 GB DDR4 0 TB QNAP QTS White

Brand : QNAP   **Product code:** TS-462-4G
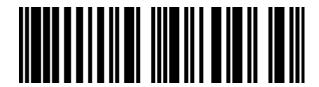
Product name : TS-462-4G

- 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

Storage drive capacity *	0 GB
Supported storage drive interfaces	Serial ATA III
Storage drive sizes supported	3.5,M.2,2.5
Number of M.2 (M & B) slots	2
RAID support *	✔
RAID levels	0, 1, 5, 6, 10, JBOD
Online RAID migration	✔
Online RAID expansion	✔
RAID rebuild	✔
Hot-swap drive bays	✔
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4
Storage drives installed *	✘
Total installed storage capacity *	0 TB
Number of storage drives supported *	4
Installed storage drive type *	✘
Supported storage drive types *	HDD & SSD
Bad block scan	✔
Disk roaming	✔

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Celeron®
Processor model *	N4505
Processor frequency *	2 GHz
Processor boost frequency	2.9 GHz
Processor cores	2
Processor threads	2
CPU configuration (max)	1
Number of processors supported	1
On-board graphics card model	Intel® UHD Graphics

Memory

Internal memory *	2 GB
Internal memory type	DDR4
Maximum RAM supported	16 GB

Performance

Type *	NAS
Device class *	Home & Home Office
Backup function *	✔
Backup features	Cloud, iSCSI LUN
Buzzer	✔
Multilingual support	✔
Snapshot	✔
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔
Built-in FTP server	✔
Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
System log	✔
Hot spare	✔
Password authentication	✔
Disk scan	✔
S.M.A.R.T. support	✔
Share folder	✔
USB copy function	✔

Software

Operating system installed *	QNAP QTS
Operating system version	5.0.1
Windows operating systems supported	Windows 10, Windows 11, Windows 7, Windows 8
Linux operating systems supported	✔
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

Memory

Memory slots	2
Memory form factor	SO-DIMM
Flash memory	4000 MB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
DHCP server	✔
Jumbo frames support	✔
iSCSI support	✔
Wake-on-LAN ready	✔
Dynamic DNS (DDNS)	✔

Ports & interfaces

USB port *	✔
USB 2.0 ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
HDMI ports quantity	1
HDMI version	2.0
Ethernet LAN (RJ-45) ports *	1

Design

Chassis type *	Tower
Cooling type *	Active
Product colour	White
Number of fans	1 fan(s)
Fan diameter	12 cm
LED indicators	HDD, LAN, Power, Status, USB
Cable lock slot	✔
Cable lock slot type	Kensington

Software

Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019

Power

Power supply location	External
Power supply unit (PSU) capacity	90 W
Number of power supply units	1
Power consumption (typical)	25.98 W
Power consumption (sleep)	11.3 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions

Width *	170 mm
Depth *	226 mm
Height *	168 mm
Weight	2.26 kg
Package weight	3.6 kg

Packaging content

Cables included	AC, LAN (RJ-45)
Power cables quantity	1

Processor special features

Enhanced Intel SpeedStep Technology	✔
Idle States	✔
Intel 64	✔
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
Storage relative humidity (H-H)	5 - 95%

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