QNAP

QNAP TS-462-4G NAS/storage server Tower Intel® Celeron® N4505 2 GB DDR4 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)
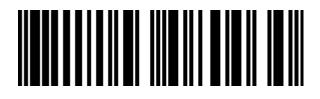4 x 3.5", Intel Celeron N4505, 4 GB SODIMM DDR4, 4GB Flash, LAN, 90 W, 100-240 V, 168 x 170 x 226 mm, 2.26 kg

Storage

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	✓
Storage drives installed *	✗
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
Memory slots	2
Memory form factor	SO-DIMM

Network

Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
DHCP server	✓
iSCSI support	✓

Performance

Type *	NAS
Device class *	Home & Home Office
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Snapshot	✓
Access Control List (ACL)	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
System log	✓
Disk scan	✓
S.M.A.R.T. support	✓
Share folder	✓

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
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	Built-in
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

Network

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	✔
Cable lock slot	✔
Cable lock slot type	Kensington

Power

Fan voltage	12 V

Weight & dimensions

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

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%

4711103080030