



QNAP TS-464U NAS Rack (1U) Intel® Celeron® N5095 8 GB DDR4 0 TB QNAP Turbo System Aluminium, Black

Brand : QNAP

Product code: TS-464U-8G

Product name : TS-464U

- 2.5GbE connectivity: Up to 5 Gbps transfer speeds can be achieved by setting port trunking with the two built-in 2.5GbE ports
 - HDMI Output: Supports 4K media playback and real-time transcoding
 - NVMe SSD application: Two M.2 PCIe NVMe SSD slots support Qtier™ auto-tiering technology and SSD caching
 - USB interface: Two USB 3.2 Gen 2 10Gbps ports for faster data transfer
 - Backup and data recovery: Protects PC/Macs, virtual machines, software containers, cloud data, and SaaS services
 - Hybrid cloud applications: Cloud storage gateways realize hybrid cloud applications by working with the cache space reserved on NAS
- Intel Celeron N5095, Intel UHD Graphics, 8 GB SODIMM DDR4, 4GB Flash, 4 x 3.5", RJ-45, USB 2.0, USB 3.2 Gen 2, HDMI, 1U, 6.6 kg



Storage		Performance	
Storage drive capacity *	0 GB	Multilingual support	✓
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Snapshot	✓
Storage drive sizes supported	2.5, 3.5"	Management protocols	SNMP V2, V3
RAID support *	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv2, SNMPv3, SSH
RAID levels	0, 1, 5, 6, 10, JBOD	Access Control List (ACL)	✓
Online RAID migration	✓	Reset button	✓
Online RAID expansion	✓	On/off switch	✓
RAID rebuild	✓	Built-in FTP server	✓
Hot-swap drive bays	✓	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	System log	✓
Storage drives installed *	✗	Hot spare	✓
Total installed storage capacity *	0 TB	Disk scan	✓
Number of storage drives supported *	4	S.M.A.R.T. support	✓
Installed storage drive type *	✗	Share folder	CIFS/SMB
Supported storage drive types *	HDD & SSD	Software	
Disk roaming	✓	Operating system installed *	QNAP Turbo System
Processor		Operating system version	5.0.1
Processor manufacturer *	Intel	Windows operating systems supported	Windows 10, Windows 11, Windows 7, Windows 8
Processor family *	Intel® Celeron®	Linux operating systems supported	Ubuntu 14.04
Processor model *	N5095	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 10.14 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, Mac OS X 13.0 Ventura
Processor frequency *	2 GHz		
Processor boost frequency	2.9 GHz		
Processor cores	4	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Processor threads	4		
CPU configuration (max)	1	Other operating systems supported	Solaris 10
On-board graphics card model	Intel® UHD Graphics	Power	
Memory		Power supply location	Built-in
Internal memory *	8 GB		
Internal memory type	DDR4		
Maximum RAM supported	16 GB		
Memory slots	2		
Memory form factor	SO-DIMM		
Flash memory	4000 MB		

Network		Power	
Ethernet LAN *	✓	Power supply unit (PSU) capacity	250 W
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Number of power supply units	1
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 1000BASE-T, 2500BASE-T	Power consumption (typical)	36.81 W
DHCP server	✓	Power consumption (sleep)	22.285 W
Jumbo frames support	✓	AC input voltage	100 - 240 V
iSCSI support	✓	AC input frequency	50 - 60 Hz
Wake-on-LAN ready	✓	Fan voltage	12 V
Dynamic DNS (DDNS)	✓	Weight & dimensions	
Ports & interfaces		Width *	482.6 mm
USB port *	✓	Depth *	483.9 mm
USB 2.0 ports quantity	2	Height *	43.3 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Package width	667 mm
HDMI ports quantity	1	Package depth	612 mm
HDMI version	1.4b	Package height	160 mm
Ethernet LAN (RJ-45) ports *	2	Package weight	10.6 kg
Concurrent connections	1500	Packaging content	
PCI Express x2 (Gen 3.x) slots	1	Cables included	AC, LAN (RJ-45)
Design		Power cables quantity	1
Chassis type *	Rack (1U)	Quick start guide	✓
Cooling type *	Active	Number of screws	84
Product colour	Aluminium, Black	Package type	Box
Number of fans	2 fan(s)	Processor special features	
Fan diameter	4 cm	Enhanced Intel SpeedStep Technology	✓
LED indicators	HDD, LAN, Power, Status	Idle States	✓
Performance		Intel 64	✓
Type *	NAS	Intel Trusted Execution Technology	✗
Device class *	Small & Medium Business	Intel Virtualization Technology (VT-x)	✓
Backup function *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Backup features	Cloud, iSCSI LUN	Intel VT-x with Extended Page Tables (EPT)	✓
Buzzer	✓	Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C
		Logistics data	
		Harmonized System (HS) code	84714100
		Other features	
		Warranty period	3 year(s)



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