

QNAP TVS-471 NAS Tower Intel® Core™ i3 i3-4150 4 GB DDR3 16 TB HDD QNAP Turbo System Black

Brand : QNAP

Product code: TVS-471-I3-4G + 1X 0S03678

Product name : TVS-471

TVS-471, i3-4150, 4GB DDR3, 512MB Flash, 4x 2.5/3.5", SATAIII, Gigabit Ethernet, USB 3.0, HDMI, Kensington + 1x 0S03678
 QNAP TVS-471. Type: NAS. Chassis type: Tower. Device class: Small & Medium Business. Processor family: Intel® Core™ i3, Processor model: i3-4150, Processor frequency: 3,5 GHz. Internal memory: 4 GB, Internal memory type: DDR3. Total installed storage capacity: 16 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



Storage		Design	
Storage drive capacity *	4 TB	Built-in display	✓
Storage drive interface *	Serial ATA III	Display type	LCD
Storage drive size	3.5"	Cable lock slot	✓
RAID support *	✓	Cable lock slot type	Kensington
RAID levels	0, 1, 5, 6, 10	Performance	
Hot-swap drive bays	✓	Type *	NAS
Supported file systems	ext3, ext4, FAT32, HFS+, NTFS	Device class *	Small & Medium Business
Storage drives installed *	✓	Backup function *	✓
Total installed storage capacity *	16 TB	Backup features	Cloud, iSCSI LUN
Number of storage drives installed *	4	Buzzer	✓
Number of storage drives supported *	4	Multilingual support	✓
Installed storage drive type *	HDD	Noise level	17,3 dB
Supported storage drive types *	HDD & SSD	Web-based management	✓
Processor		Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Processor manufacturer *	Intel	Access Control List (ACL)	✓
Processor generation	4th gen Intel® Core™ i3	Reset button	✓
Processor family *	Intel® Core™ i3	Software	
Processor model *	i3-4150	Operating system installed *	QNAP Turbo System
Processor frequency *	3,5 GHz	Operating system version	4,1
Processor cores	2	Windows operating systems supported	✓
Processor threads	4	Linux operating systems supported	✓
Processor cache	3 MB	Mac operating systems supported	✓
L3 cache	3 MB	Power	
Bus type	DMI	Power supply location	Built-in
CPU configuration (max)	1	Power supply unit (PSU) capacity	250 W
ECC supported by processor	✓	Number of power supply units	1
PCI Express configurations	1x16, 2x8, 1x8+2x4	AC input voltage	100-240 V
PCI Express slots version	3.0	AC input frequency	50 - 60 Hz
Processor cache type	Smart Cache	Fan voltage	12 V
Processor code	SR1PJ	Weight & dimensions	
Processor codename	Haswell	Width *	180 mm
Processor lithography	22 nm	Depth *	235 mm
Processor operating modes	32-bit, 64-bit		
Processor package size	37.5 x 37.5 mm		
Processor series	Intel Core i3-4100 Desktop series		

Processor		Weight & dimensions	
Processor socket	LGA 1150 (Socket H3)	Height *	177 mm
Scalability	1S	Packaging content	
Stepping	C0	Cables included	AC, LAN (RJ-45)
System bus rate	5 GT/s	Processor special features	
Tcase	72 °C	Embedded options available	✗
Thermal Design Power (TDP)	54 W	Enhanced Intel SpeedStep Technology	✓
On-board graphics card model	Intel® HD Graphics 4400	Execute Disable Bit	✓
Maximum internal memory supported by processor	32 GB	Graphics & IMC lithography	22 nm
Memory bandwidth supported by processor (max)	25,6 GB/s	Idle States	✓
Conflict-Free processor	✓	Intel 64	✓
Memory		Intel Enhanced Halt State	✓
Internal memory *	4 GB	Intel Small Business Advantage (SBA) version	1,00
Internal memory type	DDR3	Intel Stable Image Platform Program (SIPP)	✗
Maximum RAM supported	16 GB	Intel Stable Image Platform Program (SIPP) version	0,00
Memory slots	2	Intel Trusted Execution Technology	✗
Flash memory	512 MB	Intel TSX-NI	✗
Network		Intel TSX-NI version	0,00
Ethernet LAN *	✓	Intel Virtualization Technology (VT-x)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Wi-Fi	✗	Intel VT-x with Extended Page Tables (EPT)	✓
DHCP client	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
DHCP server	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Jumbo frames support	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
iSCSI support	✓	Intel® InTru™ 3D Technology	✓
Wake-on-LAN ready	✓	Intel® Quick Sync Video Technology	✓
Supported network protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC	Intel® Smart Cache	✓
Ports & interfaces		Intel® Turbo Boost Technology	✗
USB port *	✓	Intel® Wireless Display (Intel® WiDi)	✓
USB 2.0 ports quantity	2	Maximum number of PCI Express lanes	16
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3	Thermal Monitoring Technologies	✓
HDMI ports quantity	1	Thermal solution specification	PCG 2013C
Ethernet LAN (RJ-45) ports *	4	Memory channels supported by processor	Dual
Graphics		Memory types supported by processor	DDR3-SDRAM
On-board graphics card base frequency	350 MHz	Operational conditions	
On-board graphics card dynamic frequency (max)	1150 MHz	Operating temperature (T-T)	0 - 40 °C
On-board graphics card DirectX version	11.1	Operating relative humidity (H-H)	5 - 95%
On-board graphics card ID	0x41E	Other features	
Maximum on-board graphics card memory	1,024 GB	Processor ARK ID	77486
Number of displays supported (on-board graphics)	3		
Design			
Chassis type *	Tower		
Cooling type *	Active		
Product colour	Black		
Number of fans	2 fan(s)		
Drive bay locking	✓		
LED indicators	HDD, LAN, Status, USB		

Catalog Object Cloud



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