

QNAP DS420+ NAS Compact Ethernet LAN Black J4025

Brand : QNAP

Product code: DS420+/56TB-IW

Product name : DS420+

- 2-core 2.0 GHz, burst up to 2.9 GHz
- 2 x built-in M.2 2280 NVMe SSD slots
- Average 15% boost to computing-intensive applications
- 2 x 1GbE LAN ports

Intel Celeron J4025 (2x 2GHz), 2 GB DDR4, 4x 2.5/3.5" SATA, 2x M.2 NVMe, 2x RJ-45, 2x USB 3.0 QNAP DS420+. Total installed storage capacity: 56 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: Intel® Celeron®, Processor manufacturer: Intel, Processor model: J4025. Internal memory: 2 GB, Internal memory type: DDR4, Maximum RAM supported: 6 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Supported network protocols: SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP,.... Chassis type: Compact, Cooling type: Active, Product colour: Black



Storage		Performance	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Number of users	2048 user(s)
Storage drive sizes supported	2.5,3.5,M.2	Noise level	19.8 dB
Number of M.2 (M & B) slots	2	Third-party support	✓
RAID support *	✓	Snapshot	✓
RAID levels	0, 1, 5, 6, 10, JBOD	Share folder access right management	✓
Online RAID migration	✓	Security algorithms	HTTPS, SSH, SSL/TLS
Online RAID expansion	✓	Access Control List (ACL)	✓
Hot-swap drive bays	✓	Reset button	✓
Supported file systems	BTRFS, Fat, HFS+, NTFS, exFAT, ext3, ext4	On/off switch	✓
Storage drives installed *	✓	Built-in FTP server	✓
Total installed storage capacity *	56 TB	Browser supported	Chrome, Firefox, Edge, Internet Explorer, Safari
Number of storage drives installed *	4	System log	✓
Number of storage drives supported *	6	Hot spare	✓
Installed storage drive type *	HDD	Password authentication	✓
Supported storage drive types *	HDD & SSD	Share folder	CIFS/AFP/NFS/FTP/WebDAV
Processor		Software	
Processor manufacturer *	Intel	Windows operating systems supported	✓
Processor family *	Intel® Celeron®	Mac operating systems supported	✓
Processor model *	J4025	Power	
Processor frequency *	2 GHz	Power supply location	External
Processor boost frequency	2.9 GHz	Power supply unit (PSU) capacity	90 W
CPU configuration (max)	1	Power consumption (typical)	28.3 W
Memory		Power consumption (HDD standby)	8.45 W
Internal memory type	DDR4	AC input voltage	100 - 240 V
Maximum RAM supported	6 GB	AC input frequency	50 - 60 Hz
Memory slots	1		
Internal memory *	2 GB		

Network		Weight & dimensions	
Ethernet LAN *	✓	Width *	199 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth *	223 mm
iSCSI support	✓	Height *	166 mm
Wake-on-LAN ready	✓	Packaging content	
Supported network protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV	External power adapter	✓
Link aggregation	✓	Cables included	AC, LAN (RJ-45)
Ports & interfaces		Technical details	
USB port *	✓	Sustainability certificates	RoHS
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Compliance certificates	RoHS
Ethernet LAN (RJ-45) ports *	2	Processor special features	
Design		Embedded options available	✗
Chassis type *	Compact	Enhanced Intel SpeedStep Technology	✓
Cooling type *	Active	Execute Disable Bit	✓
Product colour	Black	Idle States	✓
Number of fans	2 fan(s)	Intel 64	✓
Fan diameter	9.2 cm	Intel Virtualization Technology (VT-x)	✓
Drive bay locking	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
LED indicators	HDD, Power, Status	Intel VT-x with Extended Page Tables (EPT)	✓
Cable lock slot	✓	Operational conditions	
Cable lock slot type	Kensington	Operating temperature (T-T)	0 - 40 °C
Performance		Operating relative humidity (H-H)	5 - 95%
Type *	NAS	Storage temperature (T-T)	-20 - 60 °C
Device class *	Home & Home Office	Operating altitude	0 - 5000 m
Backup function *	✓	Other features	
Backup features	Cloud, iSCSI LUN	Digital Living Network Alliance (DLNA) certified	✓
Multilingual support	✓		

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