

QNAP DS923+ NAS Tower Ethernet LAN Black R1600

Brand : QNAP

Product code: DS923+/48TB-HAT53

Product name : DS923+



4 x 3.5" / 2.5" SATA HDD / SSD, M.2 Drive Slots, AMD Ryzen R1600, 4 GB DDR4 ECC, 1GbE QNAP DS923+. Total installed storage capacity: 48 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: AMD Ryzen, Processor manufacturer: AMD, Processor model: R1600. Internal memory: 4 GB, Internal memory type: DDR4L, Maximum RAM supported: 32 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Copper ethernet cabling technology: 10BASE-T, 100BASE-TX, 1000BASE-T, Supported network protocols: SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP,.... Chassis type: Tower, Cooling type: Active, Product colour: Black

Storage		Design	
Supported storage drive interfaces	M.2, Serial ATA III	Built-in display	✗
Storage drive sizes supported	2.5,3.5"	Cable lock slot	✓
Number of M.2 (M & B) slots	2	Cable lock slot type	Kensington
RAID support *	✓	Built-in speaker(s)	✗
RAID levels	0, 1, 5, 6, 10, JBOD	Performance	
Online RAID migration	✓	Type *	NAS
Online RAID expansion	✓	Device class *	Home & Home Office
Hot-swap drive bays	✓	Backup function *	✓
Supported file systems	BTRFS, Fat, HFS+, NTFS, ext3, ext4	Backup features	Cloud, iSCSI LUN
Storage drives installed *	✓	Multilingual support	✓
Total installed storage capacity *	48 TB	Noise level	22.9 dB
Number of storage drives installed *	4	Card reader integrated	✗
Number of storage drives supported *	4	Management protocols	SNMP
Installed storage drive type *	HDD	Security algorithms	AES
Supported storage drive types *	HDD & SSD	Access Control List (ACL)	✓
Processor		Reset button	✓
Processor manufacturer *	AMD	On/off switch	✓
Processor family *	AMD Ryzen	Built-in UPnP AV media server	✓
Processor model *	R1600	Built-in FTP server	✓
Processor frequency *	2.6 GHz	Browser supported	Google Chrome, Firefox, Microsoft Edge, Safari
Processor boost frequency	3.1 GHz	Hot spare	✓
Processor cores	2	Software	
Memory		Operating system installed *	DiskStation Manager
Internal memory type	DDR4L	Operating system version	7.1.1
Maximum RAM supported	32 GB	Server operating systems supported	Windows Server 2016, Windows Server 2019
Memory slots	2	Power	
Internal memory *	4 GB	Power supply location	External
ECC	✓	Power supply unit (PSU) capacity	100 W
Network		Number of power supply units	1
Ethernet LAN *	✓	Redundant power supply (RPS) support	✗
Ethernet LAN data rates	10,100,1000 Mbit/s	Power consumption (typical)	35.51 W
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 1000BASE-T	Power consumption (HDD standby)	11.52 W
iSCSI support	✓	AC input voltage	100 - 240 V
Wake-on-LAN ready	✓		

Network		Power	
Supported network protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV	AC input frequency	50 / 60 Hz
Link aggregation	✓	Weight & dimensions	
Ports & interfaces		Width *	199 mm
USB port *	✓	Depth *	223 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2	Height *	166 mm
eSATA ports quantity	1	Weight	2.34 kg
Ethernet LAN (RJ-45) ports *	2	Packaging content	
PCI Express x2 (Gen 3.x) slots	1	External power adapter	✓
Design		Cables included	AC, LAN (RJ-45)
Chassis type *	Tower	Power cables quantity	1
Cooling type *	Active	Technical details	
Product colour	Black	Sustainability compliance	✓
Number of fans	2 fan(s)	Sustainability certificates	CE, RoHS
Fan diameter	9.2 cm	Compliance certificates	CE, RoHS
Drive bay locking	✓	Operational conditions	
LED indicators	✓	Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 60 °C
		Certificates	
		Certification	FCC BSMI VCCI RCM UKCA EAC CCC KC

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