

## QNAP DS923+ NAS Tower Ethernet LAN Black R1600

Brand : QNAP

Product code: DS923+/32TB-REDPLUS

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: 32 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 *   | 32 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                    | ✓                                  |                                      |  |

|   |  |                                   |                                   |
|---|--|-----------------------------------|-----------------------------------|
| <b>Network</b>                                  |  | <b>Power</b>                      |                                   |
| 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                                | ✓  | <b>Weight &amp; dimensions</b>    |                                   |
| <b>Ports &amp; interfaces</b>                   |  | 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  | <b>Packaging content</b>          |                                   |
| PCI Express x2 (Gen 3.x) slots                  | 1  | External power adapter            | ✓                                 |
| <b>Design</b>                                   |  | Cables included                   | AC, LAN (RJ-45)                   |
| Chassis type *                                  | Tower  | Power cables quantity             | 1                                 |
| Cooling type *                                  | Active   | <b>Technical details</b>          |                                   |
| 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                               | ✓  | <b>Operational conditions</b>     |                                   |
| LED indicators                                  | ✓  | Operating temperature (T-T)       | 0 - 40 °C                         |
|   |  | Operating relative humidity (H-H) | 5 - 95%                           |
|   |  | Storage temperature (T-T)         | -20 - 60 °C                       |
|   |  | <b>Certificates</b>               |                                   |
|   |  | Certification                     | FCC BSMI VCCI RCM UKCA EAC CCC KC |

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