# QNAP TS-851 NAS/storage server Tower Ethernet LAN Black

**Brand :** QNAP

**Product code:** TS-851

**Product name :** TS-851

8 x 2.5"/3.5" SSD/HDD SATA 6Gb/s, Intel Celeron 2.41GHz, 1GB DDR3L RAM, 512MB DOM Flash, 2 x Gigabit RJ-45, 3 x USB 3.0, 2 x USB 2.0, 1 x HDMI, QTS 4.1 (embedded Linux)
QNAP TS-851. Supported storage drive types: HDD & SSD, Storage drive interface: Serial ATA III, Storage drive size: 2.5/3.5". Processor family: Intel® Celeron®, Processor frequency: 2.41 GHz. Internal memory: 1 GB, Internal memory type: DDR3L, Maximum RAM supported: 8 GB. Ethernet LAN data rates: 10,100,1000 Mbit/s, Supported network protocols: CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC. Chassis type: Tower, Cooling type: Active, Product colour: Black

## Storage

| | |
|---|---|
| Storage drive interface * | Serial ATA III |
| Storage drive size | 2.5/3.5" |
| RAID support * | ✓ |
| RAID levels | 0, 1, 5, 6, 10, JBOD |
| Hot-swap drive bays | ✓ |
| Supported file systems | ext3, ext4, FAT32, HFS+, NTFS |
| Storage drives installed * | ✘ |
| Number of storage drives supported * | 8 |
| Supported storage drive types * | HDD & SSD |

## Processor

| | |
|---|---|
| Processor family * | Intel® Celeron® |
| Processor frequency * | 2.41 GHz |
| Processor cores | 2 |

## Memory

| | |
|---|---|
| Internal memory type | DDR3L |
| Maximum RAM supported | 8 GB |
| Internal memory * | 1 GB |
| Flash memory | 512 MB |

## Network

| | |
|---|---|
| Ethernet LAN * | ✓ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| DHCP client | ✓ |
| DHCP server | ✓ |
| Jumbo frames support | ✓ |
| iSCSI support | ✓ |
| Wake-on-LAN ready | ✓ |
| Supported network protocols | CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 3 |
| HDMI ports quantity | 1 |
| Ethernet LAN (RJ-45) ports * | 2 |

## Design

| | |
|---|---|
| Chassis type * | Tower |
| Cooling type * | Active |
| Product colour | Black |
| Number of fans | 2 fan(s) |
| Fan diameter | 12 cm |
| LED indicators | ✓ |

## Design

| | |
|---|---|
| Cable lock slot type | Kensington |

## Performance

| | |
|---|---|
| Type * | NAS |
| Device class * | Home & Home Office |
| Backup function * | ✓ |
| Buzzer | ✓ |
| Multilingual support | ✓ |
| Built-in optical drive | ✘ |
| Card reader integrated | ✘ |
| Management protocols | SNMP, Telnet |
| Web-based management | ✓ |
| Security algorithms | FIPS 140-2, HTTPS, SSH, SSL/TLS |
| Access Control List (ACL) | ✓ |
| Reset button | ✓ |

## Software

| | |
|---|---|
| Operating system installed * | QNAP Turbo System |
| Operating system version | 4.1 |
| Windows operating systems supported | ✓ |
| Linux operating systems supported | ✓ |
| Mac operating systems supported | ✓ |

## Power

| | |
|---|---|
| Power supply unit (PSU) capacity | 350 W |
| Power consumption (typical) | 56.79 W |
| Power consumption (sleep) | 0.72 W |
| AC input voltage | 100-240 V |
| AC input frequency | 50 - 60 Hz |
| Fan voltage | 12 V |

## Weight & dimensions

| | |
|---|---|
| Width * | 298.2 mm |
| Depth * | 235.4 mm |
| Height * | 185.2 mm |
| Weight | 7.83 kg |
| Package weight | 8.9 kg |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 40 °C |
| Operating relative humidity (H-H) | 5 - 95% |

## Other features

| | |
|---|---|
| Digital Living Network Alliance (DLNA) certified | ✓ |

## Design

| | |
|---|---|
| Built-in display | ✘ |
| Cable lock slot | ✔ |

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