**QNAP**

# QNAP TS-h1090FU NAS Teline ( 1U ) EPYC 7302P 128 GB DDR4 0 TB QuTS hero musta, Harmaa

**Tuotemerkki :** QNAP
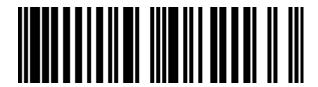
**Tuotekoodi:** TS-H1090FU-7302P-128G

**Tuotteen nimi :** TS-h1090FU

QNAP TS-h1090FU. Malli: NAS. Alustatyyppi: Teline ( 1U ). Laitteen luokka: Suuryritys. Suoritinperhe: EPYC, Prosessorimalli: 7302P, Prosessorin taajuus: 3 GHz. Sisäinen muisti: 128 GB, Sisäisen muistin tyyppi: DDR4. Asennetun muistin kokonaiskapasiteetti: 0 TB. Käyttöjärjestelmä asennettu: QuTS hero

## Storage

| | |
|---|---|
| Storage drive capacity * | 0 GB |
| Supported storage drive interfaces | U.2 |
| Storage drive sizes supported | 2.5" |
| System drive type | SSD |
| RAID support * | ✔ |
| RAID levels | 0, 6, 1, 50, JBOD, 5, 60, 10 |
| Online RAID migration | ✔ |
| Online RAID expansion | ✔ |
| RAID rebuild | ✔ |
| Hot-swap drive bays | ✔ |
| Supported file systems | exFAT, HFS+, NTFS, ext3, ext4 |
| Storage drives installed * | ✘ |
| Total installed storage capacity * | 0 TB |
| Number of storage drives supported * | 10 |
| Installed storage drive type * | ✘ |
| Supported storage drive types * | SSD |
| Bad block scan | ✔ |
| Disk roaming | ✔ |

## Processor

| | |
|---|---|
| Processor manufacturer * | AMD |
| Processor family * | EPYC |
| Processor model * | 7302P |
| Processor frequency * | 3 GHz |
| Processor boost frequency | 3.3 GHz |
| Processor cores | 16 |
| Processor threads | 32 |

## Memory

| | |
|---|---|
| Internal memory * | 128 GB |
| Internal memory type | DDR4 |
| Maximum RAM supported | 1.02 TB |
| Memory slots | 12 |
| Memory form factor | RDIMM |
| ECC | ✔ |

## Design

| | |
|---|---|
| Chassis type * | Rack (1U) |
| Cooling type * | Active |
| Product colour | Black, Grey |
| Number of fans | 5 fan(s) |
| Fan diameter | 6 cm |
| LED indicators | ✔ |

## Performance

| | |
|---|---|
| Type * | NAS |
| Device class * | Large Enterprise Business |
| Backup function * | ✔ |
| Backup features | Cloud, iSCSI LUN |
| Buzzer | ✔ |
| Multilingual support | ✔ |
| Snapshot | ✔ |
| Access Control List (ACL) | ✔ |
| Reset button | ✔ |
| On/off switch | ✔ |
| Browser supported | Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox |
| System log | ✔ |
| Disk scan | ✔ |
| S.M.A.R.T. support | ✔ |

## Software

| | |
|---|---|
| Operating system installed * | QuTS hero |
| Operating system version | ZFS-based |
| Windows operating systems supported | ✔ |
| Linux operating systems supported | ✔ |
| Mac operating systems supported | ✔ |
| Server operating systems supported | Windows Server 2019, Windows Server 2012 R2, Windows Server 2008 R2, Windows Server 2016, Windows Server 2012 |

**Memory**

| | |
|---|---|
| Flash memory | 5000 MB |

**Network**

| | |
|---|---|
| Ethernet LAN * | ✔ |
| Ethernet LAN data rates | 10,1000,2500,25000,100 Mbit/s |
| DHCP client | ✔ |
| Jumbo frames support | ✔ |
| iSCSI support | ✔ |
| Wake-on-LAN ready | ✔ |
| Dynamic DNS (DDNS) | ✔ |

**Ports & interfaces**

| | |
|---|---|
| USB port * | ✔ |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 3 |
| Fiber ports quantity | 2 |
| Fiber optic connector | SFP28 |
| Ethernet LAN (RJ-45) ports * | 2 |
| Concurrent connections | 10000 |
| PCI Express x16 (Gen 4.x) slots | 2 |

**Power**

| | |
|---|---|
| Power supply location | Built-in |
| Power supply unit (PSU) capacity | 550 W |
| Number of power supply units | 2 |
| Redundant power supply (RPS) support | ✔ |
| Power consumption (typical) | 157.97 W |
| AC input voltage | 100 - 240 V |

**Weight & dimensions**

| | |
|---|---|
| Width * | 430 mm |
| Depth * | 580 mm |
| Height * | 44 mm |
| Weight | 10.4 kg |
| Package weight | 13.5 kg |

**Packaging content**

| | |
|---|---|
| Cables included | AC, LAN (RJ-45) |
| Power cables quantity | 1 |
| Rack mount kit | ✔ |
| Number of screws | 40 |
| Drive tray key included | ✔ |

**Operational conditions**

| | |
|---|---|
| Operating temperature (T-T) | 0 - 40 °C |
| Operating relative humidity (H-H) | 5 - 95% |
| Storage temperature (T-T) | -20 - 70 °C |

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