



# QNAP TS-473A-8G/16TB-IWP NAS/storage server Tower Ryzen Embedded V1500B 8 GB DDR4 HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-473A-8G/16TB-IWP

**Product name :** TS-473A-8G/16TB-IWP

- Both 2.5GbE ports are backwards compatible with 1GbE/ 100MbE speeds. Up to 5 Gbps transfer speeds can be achieved by using port trunking
  - Add extra functionality with PCIe cards, including 10GbE ports, SSD caching, extra USB 3.2 Gen 2 ports, wireless networking, or Fibre Channel
  - Supports entry-level NVIDIA® graphics cards for video processing or GPU-passthrough to VMs
  - Features two M.2 PCIe NVMe SSD slots for Qtier Technology and SSD Caching enable constant storage optimization
  - Host containerized applications and virtual machines with various operating systems
  - Features QTS operating system and supports switching to ZFS-based QuTS hero for greater reliability
- AMD Ryzen Embedded V1500B (4x 2.2 GHz), 8GB DDR4, 4x 2.5"/3.5" SATA, 3x Type-A USB 3.2 Gen, HDMI, 1x Type-C USB 3.2 Gen

| Storage                              |                                    | Design                              |   |
|--------------------------------------|------------------------------------|-------------------------------------|---|
| Storage drive interface *            | Serial ATA II, Serial ATA III      | Product colour                      | Black   |
| Supported storage drive interfaces   | M.2, Serial ATA II, Serial ATA III | Number of fans                      | 2 fan(s)  |
| Storage drive sizes supported        | 2.5,3.5,M.2                        | Fan diameter                        | 12 cm   |
| Number of system drives installed    | 1                                  | Fan diameter 2                      | 6 cm  |
| System drive capacity                | 5 GB                               | Drive bay locking                   | ✓   |
| Number of M.2 (M & B) slots          | 2                                  | LED indicators                      | ✓   |
| RAID support *                       | ✓                                  | <b>Performance</b>                  |   |
| RAID levels                          | 0, 1, 5, 6, 10, JBOD               | Type *                              | NAS   |
| Online RAID migration                | ✓                                  | Device class *                      | Small & Medium Business   |
| Online RAID expansion                | ✓                                  | Backup function *                   | ✓   |
| RAID rebuild                         | ✓                                  | Backup features                     | Cloud, USB drive, iSCSI LUN   |
| Hot-swap drive bays                  | ✓                                  | Buzzer                              | ✓   |
| Storage drives installed *           | ✓                                  | Noise level                         | 21.4 dB   |
| Total installed storage capacity *   | 16 TB                              | Snapshot                            | ✓   |
| Number of storage drives installed * | 4                                  | Security algorithms                 | 256-bit AES, FIPS 140-2, SSH, SSL/TLS   |
| Number of storage drives supported * | 4                                  | Reset button                        | ✓   |
| Installed storage drive type *       | HDD                                | On/off switch                       | ✓   |
| Supported storage drive types *      | HDD & SSD                          | Built-in FTP server                 | ✓   |
| <b>Processor</b>                     |                                    | Browser supported                   | Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari  |
| Processor manufacturer *             | AMD                                | Password authentication             | ✓   |
| Processor family *                   | Ryzen Embedded                     | Disk scan                           | ✓   |
| Processor model *                    | V1500B                             | S.M.A.R.T. support                  | ✓   |
| Processor frequency *                | 2.2 GHz                            | Remotely operated                   | ✓   |
| Processor cores                      | 4                                  | USB copy function                   | ✓   |
| Processor threads                    | 8                                  | <b>Software</b>                     |   |
| <b>Memory</b>                        |                                    | Operating system installed *        | QNAP Turbo System   |
| Internal memory *                    | 8 GB                               | Windows operating systems supported | Windows 10, Windows 7, Windows 8  |
| Internal memory type                 | DDR4                               | Linux operating systems supported   | ✓   |
| Maximum RAM supported                | 64 GB                              | Mac operating systems supported     | Mac OS X 10.10 Yosemite   |
| Memory slots                         | 2                                  | Server operating systems supported  | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Memory form factor                   | SO-DIMM                            | <b>Power</b>                        |   |
| Flash memory                         | 5000 MB                            | Power supply location               | Built-in  |
| <b>Network</b>                       |                                    | Power supply unit (PSU) capacity    | 250 W   |
| Ethernet LAN *                       | ✓                                  |                                     |   |
| Ethernet LAN data rates              | 100,1000,2500 Mbit/s               |                                     |   |
| DHCP server                          | ✓                                  |                                     |   |
| Jumbo frames support                 | ✓                                  |                                     |   |

| Network   |        | Power                             |                 |
|---|--------|-----------------------------------|-----------------|
| Wake-on-LAN ready                               | ✓      | Number of power supply units      | 1               |
| Dynamic DNS (DDNS)                              | ✓      | Power consumption (typical)       | 29.792 W        |
| WLAN adapter supported                          | ✓      | Power consumption (HDD standby)   | 19.576 W        |
| Ports & interfaces                              |        | AC input voltage                  | 100 - 240 V     |
| USB port *                                      | ✓      | AC input frequency                | 50 - 60 Hz      |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity | 1      | Fan voltage                       | 12 V            |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 3      | Weight & dimensions               |                 |
| Ethernet LAN (RJ-45) ports *                    | 2      | Width *                           | 199.3 mm        |
| PCI Express x4 (Gen 3.x) slots                  | 2      | Depth *                           | 280.8 mm        |
| Design  |        | Height *                          | 188.2 mm        |
| Chassis type *                                  | Tower  | Packaging content                 |                 |
| Cooling type *                                  | Active | Cables included                   | AC, LAN (RJ-45) |
|   |        | Power cables quantity             | 1               |
|   |        | Number of screws                  | 24              |
|   |        | Operational conditions            |                 |
|   |        | Operating temperature (T-T)       | 0 - 40 °C       |
|   |        | Operating relative humidity (H-H) | 5 - 95%         |
|   |        | Storage temperature (T-T)         | -20 - 70 °C     |
|   |        | Storage relative humidity (H-H)   | 5 - 95%         |

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 08-SEP-2024. Prints or copies of Information are only valid on the printed Publication date