



# QNAP TVS-H1288X-W1250-16G NAS Tower Ethernet LAN Black W-1250



**Brand :** QNAP

**Product code:** TVS-H1288X-W1250-16G/16TB-IW

**Product name :** TVS-H1288X-W1250-16G

Intel Xeon W-1250 6-core 3.3 GHz, 16 GB DDR4, 5 GB Flash, 8 x 3.5"/2.5" HDD/SSD + 4 x 2.5" SSD SATA 6Gb/s

QNAP TVS-H1288X-W1250-16G. Total installed storage capacity: 16 TB, Installed storage drive type: HDD, Supported storage drive types: HDD & SSD. Processor family: Intel® Xeon®, Processor manufacturer: Intel, Processor model: W-1250. Internal memory: 16 GB, Internal memory type: DDR4, Maximum RAM supported: 128 GB. Ethernet LAN data rates: 100,1000,2500,10000 Mbit/s, Ethernet LAN data rate supported (max): 10000 Mbit/s. HDMI version: 1.4b

| Storage                                |                              | Design                              |   |
|--|------------------------------|-------------------------------------|---|
| Storage drive interface *              | M.2, Serial ATA III          | Fan diameter 2                      | 9.7 cm  |
| Supported storage drive interfaces     | M.2, Serial ATA III          | LED indicators                      | HDD, LAN, SSD, System, USB  |
| Storage drive sizes supported          | 2.5,3.5,M.2                  | Built-in display                    | ✓   |
| Number of M.2 (M & B) slots            | 2                            | Display type                        | LCD   |
| RAID support *                         | ✓                            | Cable lock slot                     | ✓   |
| RAID levels                            | 0, 1, 5, 6, 10, 50, 60, JBOD | Cable lock slot type                | Kensington  |
| Online RAID migration                  | ✓                            | Built-in speaker(s)                 | ✓   |
| Online RAID expansion                  | ✓                            | Number of built-in speakers         | 1   |
| RAID rebuild                           | ✓                            | Performance                         |   |
| Hot-swap drive bays                    | ✓                            | Type *                              | NAS   |
| Storage drives installed *             | ✓                            | Backup function *                   | ✓   |
| Total installed storage capacity *     | 16 TB                        | Backup features                     | Cloud, USB drive, iSCSI LUN   |
| Number of storage drives installed *   | 12                           | Buzzer                              | ✓   |
| Number of storage drives supported *   | 12                           | Multilingual support                | ✓   |
| Installed storage drive type *         | HDD                          | Noise level                         | 26 dB   |
| Supported storage drive types *        | HDD & SSD                    | Third-party support                 | ✓   |
| Processor                              |                              | Security algorithms                 | 256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS  |
| Processor manufacturer *               | Intel                        | Access Control List (ACL)           | ✓   |
| Processor family *                     | Intel® Xeon®                 | Reset button                        | ✓   |
| Processor model *                      | W-1250                       | On/off switch                       | ✓   |
| Processor frequency *                  | 3.3 GHz                      | Built-in FTP server                 | ✓   |
| Processor boost frequency              | 4.7 GHz                      | Browser supported                   | Safari, Google Chrome, Internet Explorer, Mozilla Firefox   |
| Processor cores                        | 6                            | System log                          | ✓   |
| Processor threads                      | 12                           | Hot spare                           | ✓   |
| Processor cache                        | 12 MB                        | S.M.A.R.T. support                  | ✓   |
| CPU configuration (max)                | 1                            | Software                            |   |
| Memory                                 |                              | Windows operating systems supported | Windows 10, Windows 7, Windows 8  |
| Internal memory type                   | DDR4                         | Linux operating systems supported   | ✓   |
| Maximum RAM supported                  | 128 GB                       | Mac operating systems supported     | ✓   |
| Memory slots                           | 4                            | Server operating systems supported  | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Internal memory *                      | 16 GB                        | Other operating systems supported   | ✓   |
| Memory form factor                     | UDIMM                        | Power                               |   |
| ECC                                    | ✓                            | Power supply location               | Built-in  |
| Flash memory                           | 5000 MB                      | Power supply unit (PSU) capacity    | 550 W   |
| Network                                |                              | Power consumption (typical)         | 97.492 W  |
| Ethernet LAN *                         | ✓                            | Power consumption (sleep)           | 85.216 W  |
| Ethernet LAN data rates                | 100,1000,2500,10000 Mbit/s   | AC input voltage                    | 100 - 240 V   |
| Ethernet LAN data rate supported (max) | 10000 Mbit/s                 | Fan voltage                         | 12 V  |
| DHCP server                            | ✓                            |                                     |   |
| Jumbo frames support                   | ✓                            |                                     |   |
| iSCSI support                          | ✓                            |                                     |   |

| Network   |          | Weight & dimensions                                     |                 |
|---|----------|---|-----------------|
| Wake-on-LAN ready                               | ✓        | Width *   | 369.9 mm        |
| Load balancing system                           | ✓        | Depth *   | 319.8 mm        |
| Dynamic DNS (DDNS)                              | ✓        | Height *  | 234.6 mm        |
| <b>Ports &amp; interfaces</b>                   |          | Weight  | 11.3 kg         |
| USB port *                                      | ✓        | <b>Packaging content</b>                                |                 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 3        | Cables included   | AC, LAN (RJ-45) |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 2        | Number of screws  | 48              |
| HDMI ports quantity                             | 1        | <b>Processor special features</b>                       |                 |
| HDMI version                                    | 1.4b     | Embedded options available                              | ✗               |
| Ethernet LAN (RJ-45) ports *                    | 6        | Enhanced Intel SpeedStep Technology                     | ✓               |
| 3.5 mm (1/8-inch) out                           | ✓        | Execute Disable Bit                                     | ✓               |
| PCI Express x4 (Gen 3.x) slots                  | 2        | Idle States   | ✓               |
| PCI Express x8 (Gen 3.x) slots                  | 1        | Intel 64  | ✓               |
| Microphone in                                   | ✓        | Intel Clear Video Technology                            | ✓               |
| Audio in/out                                    | ✓        | Intel Trusted Execution Technology                      | ✓               |
| <b>Design</b>                                   |          | Intel Virtualization Technology (VT-x)                  | ✓               |
| Chassis type *                                  | Tower    | Intel Virtualization Technology for Directed I/O (VT-d) | ✓               |
| Cooling type *                                  | Active   | Intel VT-x with Extended Page Tables (EPT)              | ✓               |
| Product colour                                  | Black    | <b>Operational conditions</b>                           |                 |
| Number of fans                                  | 5 fan(s) | Operating temperature (T-T)                             | 0 - 40 °C       |
| Fan diameter                                    | 8 cm     | Operating relative humidity (H-H)                       | 5 - 95%         |
|   |          | Storage temperature (T-T)                               | -20 - 70 °C     |

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