



TVS-h1288X-W1250-16G

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| CPU | Intel® Xeon® W-1250 6-core/12-thread processor, up to 4.7 GHz |
| CPU Architecture | 64-bit x86 |
| Graphic Processors | Intel® UHD Graphics P630 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| Hardware-accelerated Transcoding | Yes |
| System Memory | 16 GB ECC UDIMM DDR4 (2 x 8 GB) |
| Maximum Memory | 128 GB (4 x 32 GB) |
| Memory Slot | 4 x Long-DIMM DDR4 |
| Flash Memory | 5GB (Dual boot OS protection) |
| Drive Bay | 8 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s |
| Drive Compatibility | <p>3.5-inch bays:</p> <ul style="list-style-type: none"> 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives <p>2.5-inch bays:</p> <ul style="list-style-type: none"> 2.5-inch SATA solid state drives |
| Hot-swappable | Yes |
| M.2 Slot | 2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots |
| SSD Cache Acceleration Support | Yes |
| 2.5 Gigabit Ethernet Port (2.5G/1G/100M) | 4 (also support 10M) |
| 5 Gigabit Ethernet Port (5G/2.5G/1G/100M) | Optional via an adapter |
| 10 Gigabit Ethernet Port | 2 x 10GBASE-T (10G/1G) |

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| 25 Gigabit Ethernet Port | Optional via an adapter |
| Wake on LAN (WOL) | Yes |
| Jumbo Frame | Yes |
| Thunderbolt Port | Optional via the QXP-T32P 2-port Thunderbolt 3 PCIe adapter |
| PCIe Slot | 3 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x4 Slot 3: PCIe Gen3 x4 |
| USB 3.2 Gen 2 (10Gbps) Port | 2 x Type-C 3 x Type-A |
| HDMI Output | 1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz) |
| Audio Input | - (No longer available on units manufactured on or after 2021/1/1) |
| Audio Output | - (The line out jack and speaker are no longer available on units manufactured on or after 2021/1/1) |
| Form Factor | Tower |
| LED Indicators | System status, LAN, USB, Disk 1~12, M.2 SSD 1~2 |
| LCD Display/ Button | Yes |
| Buttons | Power, Reset, USB Auto Copy |
| Dimensions (HxWxD) | 234.6 × 369.9 × 319.8 mm |
| Weight (Net) | 11.27 kg |
| Weight (Gross) | 14.95 kg |
| Operating temperature | 0 - 40°C (32°F - 104°F) |
| Storage Temperature | -20 - 70°C (-4°F - 158°F) |
| Relative Humidity | 5-95% RH non-condensing, wet bulb: 27°C (80.6°F) |
| Power Supply Unit | 550W PSU, 100~240V |
| Power Consumption: HDD Sleep Mode | 85.216 W |
| Power Consumption: Operating Mode, Typical | 97.492 W |
| Fan | System fan: 3 x 80mm, 12VDC CPU fan: 2 x 97mm, 12VDC |
| Sound Level | 26 db(A) |
| System Warning | Buzzer |
| Kensington Security Slot | Yes |

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| Max. Number of Concurrent Connections (CIFS) - with Max. Memory | 10000 |
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Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

* Sound Level Test

Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.