# Hardware Specification

## TVS-882-i5-16G-450W

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>Intel® Core™ i5-7500 quad-core 3.4 GHz processor, Max turbo to 3.8 GHz</td>
</tr>
<tr>
<td><strong>CPU Architecture</strong></td>
<td>64-bit x86</td>
</tr>
<tr>
<td><strong>Graphic Processors</strong></td>
<td>Intel® HD Graphics 630</td>
</tr>
<tr>
<td><strong>Floating Point Unit</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Encryption Engine</strong></td>
<td>Yes (AES-NI)</td>
</tr>
<tr>
<td><strong>Hardware-accelerated Transcoding</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>System Memory</strong></td>
<td>16 GB UDIMM DDR4 (2 x 8GB)</td>
</tr>
<tr>
<td><strong>Maximum Memory</strong></td>
<td>64 GB (4 x 16GB)</td>
</tr>
<tr>
<td><strong>Memory Slot</strong></td>
<td>4 x DDR4 Long-DIMM</td>
</tr>
<tr>
<td><strong>Flash Memory</strong></td>
<td>512MB (DOM for dual OS)</td>
</tr>
<tr>
<td><strong>Drive Bay</strong></td>
<td>6 x 3.5-inch + 2 x 2.5-inch SATA 6Gb/s, 3Gb/s</td>
</tr>
<tr>
<td><strong>Drive Compatibility</strong></td>
<td>3.5-inch bays:&lt;br&gt; 3.5-inch SATA hard disk drives&lt;br&gt; 2.5-inch SATA hard disk drives&lt;br&gt; 2.5-inch SATA solid state drives&lt;br&gt; 2.5-inch bays:&lt;br&gt; 2.5-inch SATA solid state drives</td>
</tr>
<tr>
<td><strong>Hot-swappable</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>M.2 SSD Slot</strong></td>
<td>2 x M.2 2242/2260/2280/22110 SATA 6Gb/s slots</td>
</tr>
<tr>
<td><strong>SSD Cache Acceleration Support</strong></td>
<td>SSD slot 1, 2</td>
</tr>
<tr>
<td><strong>Gigabit Ethernet Port (RJ45)</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Jumbo Frame</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>PCiE Slot</strong></td>
<td>2&lt;br&gt; Slot 1: PCIe Gen 3 x16&lt;br&gt; Slot 2: PCIe Gen 3 x4</td>
</tr>
<tr>
<td><strong>USB 3.0 port</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>HDMI Output</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Audio Input</strong></td>
<td>2 x 6.3mm dynamic microphone input jacks</td>
</tr>
<tr>
<td><strong>Audio Output</strong></td>
<td>2 x built-in speaker, 1 x 3.5mm line out jack (for amplifier or headphone amplifier)</td>
</tr>
<tr>
<td><strong>Form Factor</strong></td>
<td>Tower</td>
</tr>
<tr>
<td><strong>LED Indicators</strong></td>
<td>System status, 2.5” SSD, M.2 SSD, 3.5” HDD</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td><strong>Buttons</strong></td>
<td>Power, Reset, USB Auto Copy</td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>231.9 × 292.8 × 319.8 mm</td>
</tr>
<tr>
<td><strong>Weight (Net)</strong></td>
<td>8.85 kg</td>
</tr>
<tr>
<td><strong>Weight (Gross)</strong></td>
<td>10.73 kg</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0 - 40 °C (32°F - 104°F)</td>
</tr>
<tr>
<td><strong>Relative Humidity</strong></td>
<td>5~95% RH non-condensing, wet bulb: 27°C (80.6°F)</td>
</tr>
<tr>
<td><strong>Power Supply Unit</strong></td>
<td>TVS-882-i3-8G / TVS-882-i5-16: Input: 100-240V~, 3-1.5A, 60-50Hz; Output: 250W TVS-882-i5-16G-450W: Input: 100-240V~, 8-4A, 60-50Hz; Output: 450W</td>
</tr>
<tr>
<td><strong>Power Consumption: HDD</strong></td>
<td>32.72 W</td>
</tr>
<tr>
<td><strong>Sleep Mode</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Power Consumption:</strong> Operating Mode, Typical</td>
<td>60.72 W</td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td>System fan: 2 x 80mm</td>
</tr>
<tr>
<td></td>
<td>CPU fan: 1 x 90mm</td>
</tr>
<tr>
<td><strong>Sound Level</strong></td>
<td>21.8 db(A)</td>
</tr>
<tr>
<td><strong>System Warning</strong></td>
<td>Buzzer</td>
</tr>
<tr>
<td><strong>Kensington Security Slot</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

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.

Designs and specifications are subject to change without notice.