

TVS-682-i3-8G	
CPU	Intel® Core™ i3-7100 dual-core 3.9 GHz processor
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	8 GB UDIMM DDR4 (2 x 4GB)
Maximum Memory	64 GB
Memory Slot	4 x DDR4 Long-DIMM
Flash Memory	512MB (DOM for dual OS)
Drive Bay	4 x 3.5-inch + 2 x 2.5-inch
Drive Compatibility	<p>3.5-inch bays:</p> <ul style="list-style-type: none"> <li>3.5-inch SATA hard disk drives</li> <li>2.5-inch SATA hard disk drives</li> <li>2.5-inch SATA solid state drives</li> </ul> <p>2.5-inch bays:</p> <ul style="list-style-type: none"> <li>2.5-inch SATA solid state drives</li> </ul>
Hot-swappable	Yes
M.2 SSD Slot	<p>2 x M.2 2242/2260/2280/22110 SATA 6Gb/s slots</p> <p>The M.2 SSD is not included as standard. M.2 SSD operations can easily generate excessive heat. It is recommended to install a heatsink (from <a href="#">QNAP</a> or a third-party provider) on the M.2 SSD.</p>
Gigabit Ethernet Port (RJ45)	<p>4</p> <p>For a list of compatible network adapters, please visit the <a href="#">Compatibility List</a>.</p> <p>For instructions on how to install network adapters, please refer to Chapter 6 of the <a href="#">QNAP NAS Hardware Manual</a>.</p>
Jumbo Frame	Yes
PCIe Slot	<p>Slot 1: PCIe Gen3 x16</p> <p>Slot 2: PCIe Gen3 x4</p>
USB 3.0 port	5
HDMI Output	3
Audio Input	2 x 6.3mm MIC In
Audio Output	<p>2 x built-in speaker, 1 x 3.5mm Line-out jack</p> <p>Only one of the above audio output ports can work at a time. If a speaker is connected, the sound will output through the speaker.</p>

Form Factor	Tower
LED Indicators	System status, 2.5" SSD, M.2 SSD, 3.5" HDD
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	231.9 × 224.9 × 319.8 mm
Weight (Net)	7.7 kg
Weight (Gross)	9.21 kg
Operating temperature	0 - 40 °C (32°F - 104°F)
Relative Humidity	5~95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Input: 100-240V~, 3-1.5A, 60-50Hz; Output: 250W
Power Consumption: HDD Sleep Mode	29.15 W
Power Consumption: Operating Mode, Typical	46.65 W
Fan	System: 1 x 8 cm cooling fan CPU: 1 x 9 cm fan
Sound Level	20.1 db(A)
System Warning	Buzzer

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.