



GM-1002

CPU	Intel® Xeon® E-2236 6-core 3.4 GHz processor (burst up to 4.8 GHz) per node
CPU Architektur	64-Bit x86
Gleitkommaeinheit	Yes
Verschlüsselungseingine	Yes (AES-NI)
Hardwarebeschleunigte Transkodierung	Yes
Systemspeicher	16 GB UDIMM DDR4 (2 x 8 GB) per node
Maximaler Speicher	128 GB (4 x 32 GB) per node
Speichersteckplatz	4 x Long-DIMM DDR4 per node
Flash-Speicher	5GB (Dual Boot OS Schutz)
Laufwerksschacht	8 x 3.5-inch + 2 x 2.5-inch per node
Laufwerkskompatibilität	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 2.5-inch bays: 2.5-inch SATA solid state drives 2.5-inch U.2 Gen3 x4 solid state drives
Hot-swappable	Yes
M.2 SSD-Steckplatz	2 x M.2 2280 NVMe Gen3 x2 slots per node
Unterstützung für SSD-Cache-Beschleunigung	Yes
2,5 Gigabit Ethernet Port (2,5G/1G/100M)	2 per node (also support 10M)
10 Gigabit Ethernet Port	2 x 10GbE SFP+ SmartNIC (Mellanox ConnectX®-4 Lx EN)
Jumbo Frame	Yes

PCIe-Steckplatz	2 per node Slot 1: PCIe Gen3 x4 (PCH) Slot 2: PCIe Gen3 x8 (CPU)
USB 3.2 Gen 2 (10 Gbit/s) Port	4 x Type-A per node
Formfaktor	3HE-Rackmount
LED-Anzeigen	HDD, SSD, Status, Power, Fan, Temperaure, Node ID
Tasten	Power, Reset, OLED
Abmessungen (HxBxT)	132,1 × 481,7 × 623,4 mm
Gewicht (netto)	25.21 kg
Gewicht (brutto)	34.45 kg
Betriebstemperatur	0 - 40 °C (32°F - 104°F)
Relative Luftfeuchtigkeit	5 – 95% relative Luftfeuchtigkeit / nicht kondensierend, Feuchtkugeltemperatur: 27°C (80,6°F)
Netzteil	770W(x2), 100-240V
Stromverbrauch: Festplattenruhezustand	169.68 W
Stromverbrauch: Betriebsmodus, typisch	201.07 W
Lüfter	3 x 60mm, 12VDC per node
Geräuschpegel	45,6 db(A)
Systemwarnung	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.