



QGD-1600P-8G

Management Type	Web Managed
Number of Ports	16
1GbE (RJ45)	14
1GbE SFP/RJ45 Combo Ports	2
Total PoE Ports	16
PoE PSE (802.3af, 15.4W)	Ports 1-16
PoE+ PSE (802.3at, 30W)	Ports 1-16
PoE++ PSE (802.3bt, 60W)	Ports 1-4
PoE Power Output	Ports 1-4 (60W), Ports 5-16 (30W)
Total PoE Power Budget	360W
PCIe Slot	Slot 1: PCIe Gen2 (x2) Slot 2: PCIe Gen2 (x2)
USB 3.2 Gen 1 port	1
USB 2.0 port	2
Management Port	1 x 1GbE
USB 3.2 Gen 2 (10Gbps) Port	Optional via PCIe adapter
HDMI™ Output	1
Power Supply Description	Internal Power Supply Unit
Max. Power Consumption	418W
Input Power Type	AC
Input Voltage Range	100-240VAC, 50/60 Hz
MAC Address Table	8K

Total Non-Blocking Throughput	16Gbps
Switching Capacity	32Gbps
Management Interface	Web
Energy Efficient Ethernet (IEEE 802.3az compliant)	Yes
Fan	System: 2 x 4 cm (12V DC)
Supported Standards	IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z 1000Base-X IEEE 802.3x Full-duplex flow control IEEE 802.3af/at/bt Power-over-Ethernet (PoE) IEEE 802.1q Virtual LANs (VLAN) IEEE 802.1p QoS Protocol for Traffic Prioritization
Form Factor	Rackmount
LED Indicators	Per Port: Link/Activity/Speed/PoE Per System: Warning/PoE/Fan
LCD Management	Yes
Buttons	Device PSU power button Host power button Host reset button(load default) Switch reset button
Dimensions (HxWxD)	47.2 × 436.2 × 326.2 mm
Weight (Net)	4.41 kg
Weight (Gross)	5.56 kg
Operating Temperature	0°C to 40°C (32°F to 104°F)
Relative Humidity	5% to 95% non-condensing, wet bulb: 27°C (80.6°F)
Certifications	CE, FCC, VCCI, BSMI RCM, CCC
Electromagnetic Compliance	CLASS A, UL62368
Jumbo Frames	9k
QTS Built-in	Yes
CPU	Intel® Celeron® J4115 quad-core 1.8 GHz processor (burst up to 2.5 GHz)
CPU Architecture	64-bit x86
Internal Network Bandwidth	2 x 1GbE
Graphics Processors	Intel® HD Graphics 600
Floating Point Unit	Yes

Encryption Engine	Yes (AES-NI)
System Memory	8 GB (2 x 4 GB)
Maximum Memory	8 GB
Memory Slot	2 x SODIMM DDR4
Flash Memory	4GB (Dual boot OS protection)
Drive Bays	2 x 2.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	2.5-inch bays: 2.5-inch solid-state drives 2.5-inch hard disk drives
Hot-swappable	Yes
M.2 SSD Slots	Optional via PCIe adapter
SSD Cache Acceleration Support	Yes
File System: Internal Hard Drive	EXT4
File System: External Hard Drive	EXT3, EXT4, NTFS, FAT32, HFS+, exFAT (optional license)
Warranty	2 Years

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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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