



QGD-1600P-8G

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| 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 |

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| 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 |

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| 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.

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.