



QGD-1602P-C3558-8G

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| Management Type | Web Managed |
| Number of Ports | 18 |
| 10GbE SFP+ | 2 |
| 2.5GbE (RJ45) | 8 |
| 1GbE (RJ45) | 8 |
| 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, 90W) | Ports 1-4 |
| PoE Power Output | Ports 1-4 (90W), Ports 5-16 (30W) |
| Total PoE Power Budget | 200W |
| PCIe Slot | Slot 1: PCIe Gen3 (x4 slot, x2 speed) Slot 2: PCIe Gen3 (x4 slot, x2 speed) |
| USB 3.2 Gen 1 port | 2 |
| Management Port | 2 x 5GbE ; 2 x 1GbE |
| USB 3.2 Gen 2 (10Gbps) Port | Optional via PCIe adapter |
| Power Supply Description | Internal Power Supply Unit |
| Max. Power Consumption | 280W |
| Input Power Type | AC |
| Input Voltage Range | 100-240VAC, 50/60 Hz |
| MAC Address Table | 32K |
| Total Non-Blocking Throughput | 48Gbps |

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| Switching Capacity | 96Gbps |
| Management Interface | Web |
| Fan | System: 3 x 4 cm (12V DC) |
| Supported Standards | IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3bz 2.5G/5G BASE-T Multi-Gig Ethernet IEEE 802.3an 10GBASE-T 10G Ethernet IEEE 802.3ae 10GBASE-SR IEEE 802.3ae 10GBASE-LR 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) | 44.2 × 435.2 × 327.7 mm |
| Weight (Net) | 4.37 kg |
| Weight (Gross) | 5.52 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 |
| Electromagnetic Compliance | CLASS A, UL62368 |
| Jumbo Frames | Yes |
| QTS Built-in | Yes |
| CPU | Intel® Atom® C3558 quad-core 2.2 GHz processor |
| CPU Architecture | 64-bit x86 |
| Intel QAT Support | Yes |
| Internal Network Bandwidth | 2 x 10GbE |
| Floating Point Unit | Yes |

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| Encryption Engine | Yes (AES-NI) |
| System Memory | 8 GB (1 x 8 GB) |
| Maximum Memory | 64 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 | 2 (NVMe, PCIe Gen3 x 1) |
| 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.

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