QNAP

QGD-1602P-C3558-8G

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

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

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.
* Sound Level Test
Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.
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