



QGD-1602P-C3758-16G

Management Type	Web Managed
Number of Ports	18
10GbE SFP+	2
	10G/1G
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	370W
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	500W
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® C3758 8-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	16 GB (1 x 16 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 2)
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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