

**QGD-1600P-4G**

|                                            |                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------|
| Management Type                            | Web Managed                                                             |
| CPU                                        | Intel® Celeron® J4115 quad-core 1.8 GHz processor (burst up to 2.5 GHz) |
| CPU Architecture                           | 64-bit x86                                                              |
| System Memory                              | 4 GB                                                                    |
| Rate Limiting                              | Yes                                                                     |
| IGMP Snooping Querier                      | Yes                                                                     |
| IGMP Snooping v2/v3                        | Yes                                                                     |
| IP-based Access Control List (ACL)         | Yes                                                                     |
| DSCP-based QoS                             | Yes                                                                     |
| VLAN-based QoS                             | Yes                                                                     |
| Port-based QoS                             | Yes                                                                     |
| Port Mirroring                             | Yes                                                                     |
| Trunking/LACP                              | Yes                                                                     |
| IEEE 802.1Q-based VLAN                     | Yes                                                                     |
| Port-based Private VLAN                    | Yes                                                                     |
| VLAN Configuration                         | Yes                                                                     |
| PoE Detection                              | Yes                                                                     |
| PoE Schedule                               | Yes                                                                     |
| PoE Status                                 | Yes                                                                     |
| Auto-negotiation of Speed and Duplex Modes | Yes                                                                     |
| LLDP                                       | Yes                                                                     |
| MAC Address Table Display                  | Yes                                                                     |
| Loop Protection                            | Yes                                                                     |
| Memory Slot                                | 2 x SODIMM DDR4                                                         |
| File System: External Hard Drive           | EXT3, EXT4, NTFS, FAT32, HFS+, exFAT (optional license)                 |
| File System: Internal Hard Drive           | EXT4                                                                    |

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| SSD Cache Acceleration Support   | Yes                                                                        |
| M.2 SSD Slots                    | Optional via PCIe adapter                                                  |
| Hot-swappable                    | Yes                                                                        |
| Drive Compatibility              | 2.5-inch bays:<br>2.5-inch solid-state drives<br>2.5-inch hard disk drives |
| Flash Memory                     | 4GB (Dual boot OS protection)                                              |
| Maximum Memory                   | 8 GB (2 x 4 GB)                                                            |
| SNTP/DNS/DHCP Client             | Yes                                                                        |
| Hardware-accelerated Transcoding | Optional via PCIe adapter                                                  |
| Encryption Engine                | Yes (AES-NI)                                                               |
| Floating Point Unit              | Yes                                                                        |
| Graphics Processors              | Intel® HD Graphics 600                                                     |
| QTS Built-in                     | Yes                                                                        |
| Static MAC Address               | Yes                                                                        |
| Port Configuration               | Yes                                                                        |
| IEEE 802.3x Flow Control         | Yes                                                                        |
| Port Statistics                  | Yes                                                                        |
| Drive Bays                       | 2 x 2.5-inch SATA 6Gb/s                                                    |
| PCIe Slot                        | Slot 1: PCIe Gen2 (x2)<br>Slot 2: PCIe Gen2 (x2)                           |
| Max. Power Consumption           | 418W                                                                       |
| Power Supply Description         | Internal Power Supply Unit                                                 |
| HDMI Output                      | 1                                                                          |
| USB 3.1 Gen 2 (10Gbps) Port      | Optional via PCIe adapter                                                  |
| Management Port                  | 1                                                                          |
| USB 2.0 port                     | 2                                                                          |
| USB 3.0 port                     | 1                                                                          |
| Total PoE Power Budget           | 370W                                                                       |
| Input Voltage Range              | 100-240VAC, 50/60 Hz                                                       |

|                               |                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------|
| PoE Power Output              | Ports 1-4 (60W), Ports 5-16 (30W)                                                                      |
| PoE++ PSE (802.3bt, 60W)      | Ports 1-4                                                                                              |
| PoE+ PSE (802.3at, 30W)       | Ports 1-16                                                                                             |
| PoE PSE (802.3af, 15.4W)      | Ports 1-16                                                                                             |
| Total PoE Ports               | 16                                                                                                     |
| 1GbE SFP/RJ45 Combo Ports     | 2                                                                                                      |
| 1GbE (RJ45)                   | 14                                                                                                     |
| Number of Ports               | 16                                                                                                     |
| Input Power Type              | AC                                                                                                     |
| MAC Address Table             | 8K                                                                                                     |
| Port Status                   | Yes                                                                                                    |
| Dimensions (HxWxD)            | 160 × 528 × 403 mm                                                                                     |
| Jumbo Frames                  | 9k                                                                                                     |
| Electromagnetic Compliance    | CLASS A, UL62368                                                                                       |
| Certifications                | CE, FCC, VCCI, BSMI RCM                                                                                |
| Relative Humidity             | 5% to 95% non-condensing, wet bulb: 27°C (80.6°F)                                                      |
| Operating Temperature         | 0°C to 45°C (32°F to 113°F)                                                                            |
| Weight (Gross)                | 5.56 kg                                                                                                |
| Weight (Net)                  | 4.41 kg                                                                                                |
| Buttons                       | Device PSU power button<br>Host power button<br>Host reset button(load default)<br>Switch reset button |
| Total Non-Blocking Throughput | 16Gbps                                                                                                 |
| LCD Management                | Yes                                                                                                    |
| LED Indicators                | Per Port: Link/Activity/Speed/PoE<br>Per System: Warning/PoE/Fan                                       |
| Form Factor                   | Rackmount                                                                                              |

|                                                    |                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Standards                                | IEEE 802.3 10Tx Ethernet<br>IEEE 802.3u 100Tx Fast Ethernet<br>IEEE 802.3ab 1000BASE-T Gigabit Ethernet<br>IEEE 802.3z 1000Base-X<br>IEEE 802.3x Full-duplex flow control<br>IEEE 802.3af/at/bt Power-over-Ethernet (PoE)<br>IEEE 802.1q Virtual LANs (VLAN)<br>IEEE 802.1p QoS Protocol for Traffic Prioritization |
| Fan                                                | System: 2 x 4 cm (12V DC)                                                                                                                                                                                                                                                                                           |
| Energy Efficient Ethernet (IEEE 802.3az complaint) | Yes                                                                                                                                                                                                                                                                                                                 |
| Management Interface                               | CLI/Web                                                                                                                                                                                                                                                                                                             |
| Switching Capacity                                 | 32Gbps                                                                                                                                                                                                                                                                                                              |
| Warranty                                           | 2 Years                                                                                                                                                                                                                                                                                                             |