QNAP QGD-1600P Managed Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Black, Grey

Model: QGD-1600P-4G

Manufacturer: QNAP

EAN: 4713213516195

Product Code: 608281

R17,906

QNAP’s QGD-1600P is the world’s first PoE managed switch that supports Virtual Machines (VMs). It features 4-port 60-watt and 12-port 30-watt Gigabit PoE (with two PoE/SFP Combo ports) for highly flexible networking environment deployment. With a dual-CPU design, the QGD-1600P provides both Layer 2 management functions for VM and QTS applications. The QGD-1600P also features Software-Defined Networking (SDN), enabling it to function as a NAS, NVR, router, firewall and AP controller for IP surveillance, network security, storage expansion, and wireless LAN management applications. Therefore, the Guardian series offers SMBs a cost-optimized and centrally managed LAN deployment solution.

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The QGD-1600P is a hybrid PoE switch/NAS that enables NVR, router, and AP controller functions and comes pre-installed with various software to satisfy all SMB networking requirements. The PoE switch can help your business initiate digital transformation by making edge devices intelligent.

High PoE Capability– up to 60W

The QGD-1600P is compliant with the latest IEEE 802.3bt PoE++ and IEEE 802.3at PoE+ standards, offering 4-port 60-watt and 12-port 30-watt Gigabit PoE capability. The QGD-1600P can supply a total power budget of 370 watts to meet the demands of many high-power devices (PDs), such as IP cameras, wireless APs, IP phones, LED lights, and digital signage.

Intelligent PoE Functions for Efficient, Centralized PD Management

The QGD-1600P supports intelligent PoE management functions, including scheduling, power supply prioritization, and power enabling and disabling. You can obtain the real-time network connection status and power consumption information of PDs and configure PDs simultaneously to promote an energy-saving PoE network.

Comprehensive Layer 2 Management Features

The QGD-1600P provides comprehensive Layer 2 management features such as VLAN, LACP, and LLDP for you to efficiently control the network through IP grouping and bandwidth management. The QGD-1600P also has powerful security functions, including IGMP Snooping, static MAC, QoS, and Wake-on-LAN, which are suitable for simple networking environments and easy deployment.

Dual-system of Switch & NAS, enabling optimum performance

The QGD-1600P features dual-system design, multi-port capability and expandable architecture, enabling optimum transmission and flexibility to fulfill business needs in performance and application diversification.

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The First PoE Switch with VM Support

The QGD-1600P is the world’s first PoE switch with the QTS operating system built in for VM, container, and other cloud applications, enabling diverse networking and storage solutions. In addition to QVR Pro, VJBOD, and other diverse storage applications, the QTS App Center also supports VMs for running many open-source software applications, including MikroTik® RouterOS, OpenWrt, pfSense®, and Ubiquiti® UniFi®. Integrated with public cloud services, the QGD-1600P meets the needs of various applications in IP surveillance, storage expansion, network security, and wireless LAN management. The QGD-1600P dual-CPU design enables you to run the networking management interfaces of QSS (QNAP Switch System) and QTS independently. The QGD-1600P offers a user-friendly web interface, QuNetSwitch, to help SMBs easily deploy a flexible and secure IT infrastructure.

QTS and QSS can work independently without interfering each other to ensure continuous operation. For example, when restarting the QTS, the QSS PoE power supply will not be interrupted; when rebooting the QSS, the VMs on QTS will keep running.

The QGD-1600P and QVR Pro

Make a One-Stop IP Surveillance System

The QGD-1600P works seamlessly with QVR Pro, QNAP’s new surveillance software service, to help build the most cost-effective one-stop IP surveillance system. By integrating PoE, NVR, and NAS storage functions, the QGD-1600P significantly simplifies the surveillance network infrastructure while satisfying the requirements for surveillance deployment, central management, video recording and computing. The QGD-1600P offers 4-port 60-watt and 12-port 30-watt Gigabit PoE to different brands of high-power IP Cameras with the ONVIF standard. Through QVR Pro Surveillance Suite, IT administrators can easily manage cameras, record and play back videos, failover recording tasks, and monitor mobile apps. The QGD-1600P is equipped with an HDMI output to connect an external monitor for real-time surveillance video monitoring.

QGD-1600P + VJBOD: A Highly Scalable Storage Solution

The QGD-1600P supports up to two SATA drives and other hardware-based storage expansion accessories, such as PCIe, USB, SAS expansion cards and RAID Expansion Enclosure (TR-004U) to provide reliable performance. Additionally, you can expand the storage space of the QGD-1600P via

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QNAP VJBOD. VJBOD allows you to instantly allocate storage space from a remote QNAP NAS as an iSCSI LUN and create storage pools, take snapshots, create clones from snapshots, or index multimedia files in the media library on the QGD-1600P. With the expansion availability of physical units and VJBOD, you can attain the highest possible storage utilization to fulfill volume data storage and backup needs.

QGD-1600P: Enhance Security with an Integrated Virtual Router and Virtual Firewall

The QGD-1600P can be easily transformed into a security router with a firewall via virtual router and virtual firewall software by installing MikroTik RouterOS and OpenWrt. You can flexibly configure Layer 3 routing functions and create site-to-site VPN tunnels between headquarters and branch offices while securing enterprise network data transmissions. The virtual firewall software pfSense helps enterprises separate or protect local networks and apply multiple security policies.

The QGD-1600P Creates a Wireless AP Controller With UniFi® AP

The QGD-1600P offers 4-port 60-watt and 12-port 30-watt Gigabit PoE for various types of high-power PoE wireless APs. Adopting PoE and VM technology to support PoE wireless APs and the Ubiquiti wireless LAN management software UniFi, the QGD-1600P becomes a hardware-based and software-based wireless AP controller. The QGD-1600P enables not only data transmission and PoE management over wireless APs, but also central management over wired and wireless networking devices in offices, hotels, retail stores, or other small-to-medium-sized networks, greatly promoting the effectiveness of network management and reducing costs.

QuNetSwitch: User-Friendly Switch Management Software

Aside from QNAP Switch System (QSS), the QGD-1600P also offers QuNetSwitch (via QTS), a user-friendly web interface networking management software application to help IT administrators efficiently control Layer 2 management and PoE networks. Additionally, the overview dashboard and graphical statistics analysis area displays all the information about the switch and PDs at a glance, making centralized management of over--powered devices intuitive and easy for administrators.

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