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

Model: QGD-1600-4G

Manufacturer: QNAP

EAN: 4711103084281

Product Code: 608279

R19,281

QGD-1600 Switch allows installation of ADRA NDR cybersecurity software, which can detect suspicious packets across all the connected end devices on your LAN to protect against targeted ransomware at an early stage. It’s an affordable wide-ranging LAN security solution.

Economic, convenient

Without installing expensive EDR software for each end device, all you need is a switch with ADRA NDR for early detecting potential threats on all the end devices.

Threat trap

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By simulating a threat trap for malware to initiate attacks, hostile behaviors will be detected by QGD-1600.

Threat analysis

Once suspicious activities are captured by Threat Detection, the Deep Threat Analysis and Threat Correlation Analysis will determine its attack type and evaluate associated risk levels.

Automated Isolation

Only affected devices are automatically isolated, assisting in containing malware attacks without shutting down the entire network.

Layer 2 management

QGD-1600 provides user-friendly Layer 2 management.

Without impacting performance

ADRA NDR can be deployed and operated without impacting network performance and existing infrastructure.

Modern IT challenges: Hidden lateral movements in LAN are hard to uncover

As targeted ransomware often attack via lateral movement in LAN, it is no longer safe to solely rely on network-based firewall appliances (perimeter) at the edge of your local network. If you can’t detect and deal with a threat early enough, your business will be at stake, and the time and costs involved in restoring your IT infrastructure and reputation will be significant.

Why not detect targeted ransomware early with a LAN switch?

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By simply installing on QGD-1600 switch, you can provide network-level security for all your end devices in LAN. While other EDR solutions are expensive and have hardware/software limitations, ADRA NDR is an economic and high-performance LAN security solution.

QNAP ADRA NDR automatically detects, analyzes, and stops threat in time to protect against internal security threats.

Active detection

The ADRA appliance checks specific network packets passing through the switch for suspicious activities. A Threat Trap is a Virtual Machine simulating several common services as a lure for malware to attack. Once an attack is initiated, the suspicious activity can be detected by ADRA NDR.

Automated analysis

When suspicious activities are detected, network traffic packets are analyzed through Deep Threat Analysis and Threat Correlation Analysis to determine the malware attack type and evaluate its associated risk levels.

Automated Isolation

ADRA NDR automatically notifies or blocks infected devices once a threat is defined as medium or high risks, while ensuring the connections of other devices. When suspicious activities are captured by Threat Detection, ADRA NDR directly notifies or blocks infected devices without analyzing process.

Automated and flexible cybersecurity responses

ADRA NDR provides an at-a-glance Dashboard and user-friendly graphical management UI, helping IT staff to quickly detect and analyze potential threats.

Dashboard

View the overall risk level and information of the total medium/high risk attacks, total high-risk devices, and Top 5 IP addresses with most threats in real time.

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Threat Analysis

Lists the information of all potential threats, including Trigger, Risk, and IP address. You can quickly search by grouping for efficient management.

Rules

Once malware activities are detected, configured response actions are taken based on the selected rule, including Strict Protection, Advanced Protection, Basic Protection and Risk Inform.

Threat Traps

Add Trap instances and edit the hostname and IP address.

Guards all enterprise LAN devices

For enterprises with medium-to-large LAN infrastructure, QGD-1600 can be deployed as an Access Switch for connecting all the end devices to offer comprehensive protection in LAN.

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

Gigabit RJ45/SFP ports

Multiple Gigabit and RJ45/SFP combo ports provide computers, LAN switches and NAS with higher bandwidth to empower applications like virtualization, 4K video editing and file sharing.

Layer 2 network

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QGD-1600 provides comprehensive Layer 2 management features, such as VLAN, LACP, QoS IGMP Snooping, and Wake-on-LAN for IT administrators to efficiently control the network bandwidth and enhance security via the user-friendly switch management web interface.

User-friendly management interface

QuNetSwitch offers a user-friendly web interface to help IT administrators efficiently control Layer 2 networks. Additionally, the overview dashboard and graphical statistics analysis show IT administrators all switch information and pored devices at a glance, making central management of network devices intuitive and easy.

Two SATA drive bays

Supports up to two SATA drives.

Flexible PCIe expansion

PCIe expandability allows for 10GbE network cards, QM2 dual-port M.2 SSD/10GbE cards, USB 3.1 Gen 2 (10Gbps) cards, or Wireless Adapters.

Virtualization applications

Host containerized applications and virtual machines with various operating systems. Flexibly install virtual router, firewall, or wireless LAN management software for various networking management applications.

The First Switch with VM Support

The Guardian series is the world’s first 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. Integrated with public cloud services, the QGD-1600 meets the needs of various applications in IP surveillance, storage expansion and network security. The QGD-1600 dual-CPU design enables you to run the networking

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management interfaces of QSS (QNAP Switch System) and QTS independently. The QGD-1600 offers a user-friendly web interface, QuNetSwitch, to help SMBs easily deploy a flexible and secure IT infrastructure.

QuNetSwitch: Layer 2 Management with User-friendly Web GUI

The QGD-1600 provides comprehensive Layer 2 management features (including VLAN, LACP, and LLDP) for efficient control of networks through IP grouping and bandwidth management. Powerful security functions (including IGMP Snooping, static MAC, QoS, and Wake-on-LAN) are also suitable for simple networking environments and easy deployment. Aside from the QNAP Switch System (QSS), the QGD-1600 also offers the user-friendly web interface software QuNetSwitch (via QTS) to help IT staff control Layer 2 management networks. The overview dashboard and statistical analysis area displays all the information about the switch and devices at a glance, making centralized management of network devices intuitive and easy.

Deploy a multi-site VPN with SD-WAN solution

The QGD-1600 and other QNAP solutions now support QuWAN – QNAP’s SD-WAN solution. QuWAN provides full mesh IPsec VPN topology between QNAP devices based in multiple sites to fulfill enterprise video, VoIP, ERP system data, and filing needs. QuWAN adopts software-defined networking to achieve optimum network connectivity, and supports cloud-centric management for deploying a resilient IT Infrastructure.

The Guardian Smart Edge Switch meets your business needs.
The QGD-1600 is a central networking solution that offers Web-based management, and innovative virtualization applications to solve various networking problems.

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