

## ADRA Solution

	QGD-1600P	QGD-1602P-C3558-8G	QGD-1602P-C3758-16G
CPU/RAM	Intel Celeron 4C / 4GB	Intel Atom 4C / 8GB	Intel Atom 8C / 16G
Storage (manually added)	2 x 2.5-inch SATA bays	2 x M.2 NVMe 2280 slots or 2 x 2.5-inch SATA bays	2 x M.2 NVMe 2280 slots or 2 x 2.5-inch SATA bays
Switch	14 x 1GbE RJ45 + 2 x Combo (RJ45&SFP)1GbE	8 x 2.5GbE RJ45 8 x 1GbE RJ45 2 x 10GbE SFP+	8 x 2.5GbE RJ45 8 x 1GbE RJ4 2 x 10GbE SFP+
PoE	Yes	Yes	Yes
Port	1 x 1GbE RJ45	2 x 5GbE 2 x 1GbE	2 x 5GbE 2 x 1GbE
Recommended number of monitored edge devices	10 – 50 devices	30 – 80 devices	60 – 110 devices

## 2.5GbE / 10GbE 25GbE Solution

	TVS-h874	QHora-322
	High-performance and highly-reliable Intel®Core™ QuTS hero NAS	Next-Generation three-port 10GbE SD-WAN Router
CPU	Intel® Core™ i7 / i5	Marvell CN9130 Quad Core Armv8 Cortex-A72
RAM	32GB	--
PCIe	2	--
HDMI	1	--
Ports	2x 2.5GbE ports 2x 10GbE ports	3x 10GbE ports 6x 2.5GbE ports

	QSW-M5216-1T	QSW-M2116P-2T2S
	Ultra-high-speed 25GbE fiber managed switch with 10GbE connectivity for backbone networks	90-watt 10GbE PoE++ and 30-watt 2.5GbE PoE+ Managed Switch for the Wi-Fi 6 Generation
Management Type	Web Managed	Web Managed
Ports	16 x25GbE SFP28 fiber ports 1 x10GbE RJ45 port	16x 2.5GbE 802.3at PoE+ (30W) ports, 2x 10GbE 802.3bt PoE++ (90W) ports 2x 10GbE SFP+ fiber ports

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# QNAP

## Bolster your defenses against Targeted Ransomware with QNAP ADRA NDR Solution

ADRA NDR is based on the **QGD-1600P/ QGD-1602P** smart switch series, providing additional intranet rapid-screening for businesses and enterprises. ADRA NDR can be positioned at switch level to help manage, monitor, and isolate suspicious activities.

### Adaptive Threat Detection

Focus on the beginning of intranet network threats, manage suspicious and activities as early as possible.

### Real-time Threat Analysis

Monitor lateral events and analyze threats to ensure first-time detection of suspicious activities.

### Isolation Response

Isolate compromised edge devices to quarantine risks without affecting other edge devices at intranet level.

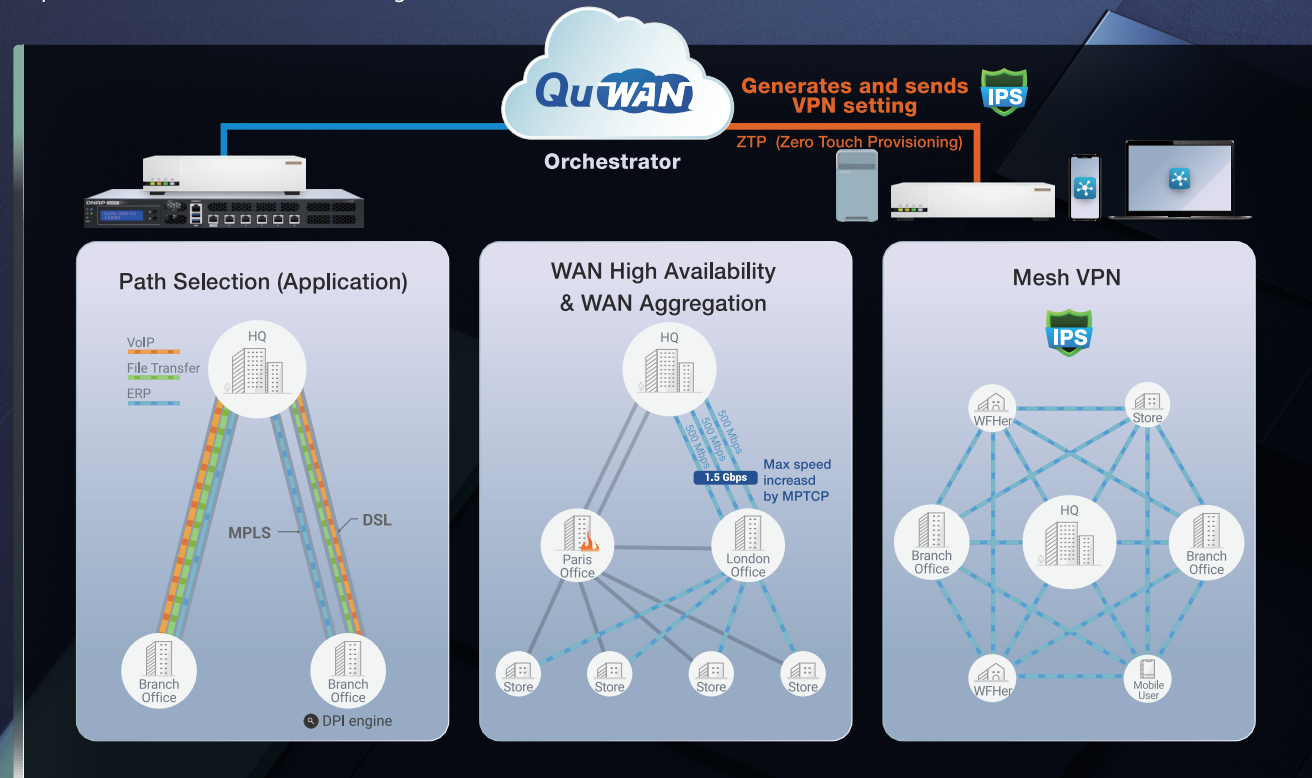


# QuWAN

SD-WAN Solution for Resilient IT Infrastructure



QNAP's QuWAN SD-WAN solution features Auto Mesh VPN, IPsec encryption and cloud-centric management. Compatible with a wide range of QNAP solutions, QuWAN enables SMBs to efficiently build a dependable network at a cost-effective price while facilitating digital transformation, multi-site expansion, and remote working



QNAP NAS comes with an excellent NAS backup/sync solution - Hybrid Backup Sync (HBS) - that allows you to easily backup/sync files on the NAS between different devices and services. When combined with QNAP's SD-WAN solution (QuWAN) that provides auto mesh connection, you can enjoy optimized and secure connections when backing up/syncing files between your devices.



Businesses can backup/sync their branches and stores to their Headquarters NAS using QuWAN.

## Protect your data from ransomware with Snapshot

Regularly create snapshots to lower the risk of data loss. Affected files, or the entire system, can be reverted to the previous state that the snapshot has recorded.

### Secure your digital assets with **easy 3 steps**

Step 1



#### Regularly update, and use Malware Remover

Keep the NAS operating system and apps updated to the latest version and regularly scan your NAS using the latest malware definitions. If infected files are detected, they will be immediately removed to enhance NAS data security.

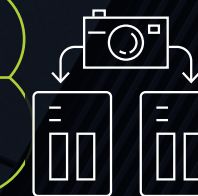
Step 2



#### Routinely back up to your NAS, and create multi-version snapshots

If your computers are infected by ransomware or any unexpected corruption occurs, snapshots can be used to instantly restore your data.

Step 3



#### Back up snapshots to another QNAP NAS

Snapshots offer protection in the event of ransomware attacking via your PC. You can double your data protection by back up snapshots to another QNAP NAS.