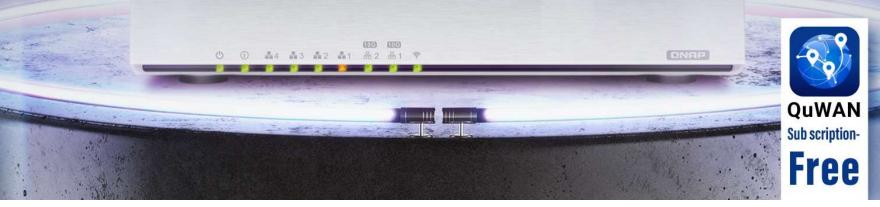


# QHora-301W

#### The game-changing QuRouter OS upgrades your network experience



# Agenda

- The market exclusive functions cause a sensation
- The new features of QuRouter OS

- QHora-301W is your first step toward next generation networking
- Dual 10GbE ports meets all your application scenarios

106

• Enable subscription-free QNAP SD-WAN on QHora-301W

#### The market exclusive functions cause a sensation



#### Paul donovan

#### \*\*\*\* 10gbe x2 and wifi 6 ax 2021年1月2日在美國評論

Very nice easy setup amazing features for the price practically a steal This is my first time with gnap I'm already looking at their switches I'm simply amazed at the future proofing of this router

#### \*\*\* 2021年1月1日在美國評論

#### Amazon 驗證購買

PROS 2x 10Gbe Port Router, Copper too Slick Router GUI with easy access
 WiFi 6 Support 8 antennae
 FAST setup and inc wall brackets Fanless/noise USB 3.2 Gen 1 Ports Works straight out of the box Free SD-WAN software and Works with Several ONAP NAS As



2020年12月29日在美國評論

Nice fanless design. So far ipv6 is not supported on this router. DHCP range can be changed via VLAN settings.





#### The market exclusive functions

• 8 internal antennas for Wi-Fi 6 (802.11ax)

QNAP

- Dual-port 10GbE high speed routing
- QNAP SD-WAN QuWAN
- User friendly QuRouter OS

# QuRouter OS Upgrades your network experience

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#### Enable 160MHz to boost wireless speed

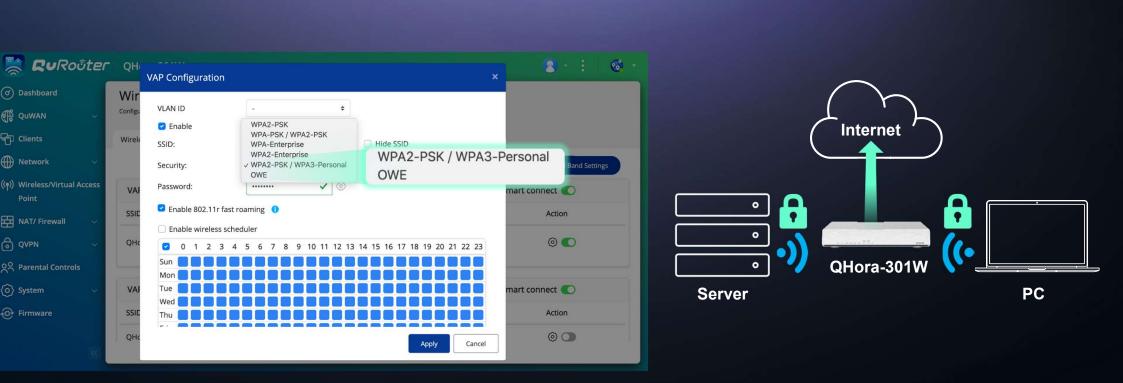
QHora-301W supports 2x2 160MHz channels and provides up to 2.4Gbps theoretical wireless speed.

Stop buffering and start enjoying uninterrupted streaming media. Say goodbye to character freezing & enjoy lagfree gaming.



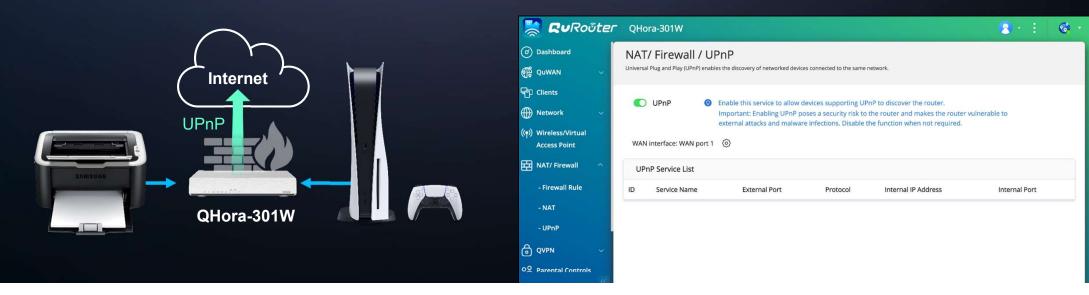
\* \* The 160MHz channels can be enabled in areas governed by CE, IC, NCC, TELEC, OFCA safety regulations

# Select WPA3 or OWE to better protect your data transmission between devices and QHora-301W



# Enable UPnP to connect various services in one-click

- Services under NAT, such as video entertainment, game consoles, and smart devices can automatically communicate with firewall through the UPnP protocol to establish port forwarding function. Users don't need to set the device one by one, it can connect to Internet automatically.
- UPnP page provides a list of UPnP services, allowing you to fully manage the status of port opening .
- UPnP function can be turned off when cybersecurity request of the network environemnt is high.



# QHora-301W QoS reserves bandwidth for important applications

No interription during streaming or data backup even when bandwidth usage is full.

- Application service level can be set on QuWAN Orchestrator.
- QHora-301W has built-in DPI engine to automatically detect and distinguish applications, and reserve bandwidth for important applications.

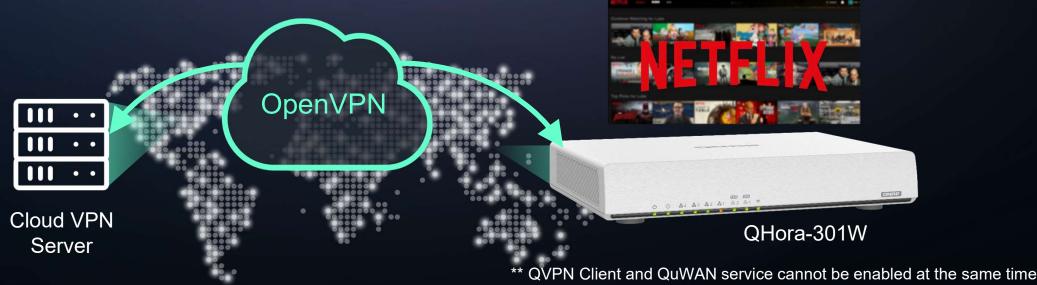


| 🞇 足 u Roð                              | ter | QHora-301W                 |                   |                              |   | qnap.com.tw//Tria           | Il_Custom,_KKBox_Produ   |
|--|-----|----------------------------|-------------------|------------------------------|---|-----------------------------|--------------------------|
| ⑦ Dashboard                            | ſ   | QuWAN / Qua                | ality of Se       | ervice (QoS                  | )   |                             |                          |
| 🚭 QuWAN                                | ^   | The QoS monitoring feature | allows you to mon | itor traffic flow prioritiza | ation and reshaping that can be configure | d using QuWAN Orchestrator. |                          |
| - Quality of Service<br>(QoS)          | 2   | QoS Information            |                   |                              |   | <u>QoS Configurati</u>      | on on QuWAN Orchestrator |
| 듁 Clients                              |     | 🗘 QoS Rule                 | Source            | Destination                  | DPI Application Group                     | Network Steering            | QoS Type                 |
|  | ~   | V  Service Class 1 (       | <u>30%</u> )      |                              |   |                             |                          |
| ((၅)) Wireless/Virtual<br>Access Point |     | ✓ ● Service Class 2        | 20%)              |                              |   |                             |                          |
| NAT/ Firewall                          | ~   | V 💿 Service Class 3 (      | <u>14%)</u>       |                              |   |                             |                          |
| G QVPN                                 | ~   | ✓ ● Service Class 4        | 14%)              |                              |   |                             |                          |
| 옷 Parental Controls                    |     | V 🖲 Service Class 5 (      | 7%)               |                              |   |                             |                          |
| <ul><li>⊘ System</li></ul>             | ~   | Service Class 6            | <u>7%</u> )       |                              |   |                             |                          |
|  | <<  | ✓ ● Service Class 7 (      | <u>1%)</u>        |                              |   |                             |                          |

**50% VoIP** 30% ERP 20% File transfer

#### Watch region limited Netflix by enabling QVPN Client to connect to Cloud VPN Service

- Connect QHora-301W to Cloud VPN service, such as ExpressVPN, CyberVPN or NordVPN by setting the OpenVPN protocol to direct network to a cross-region VPN Server, allowing you to easily watch region limited video streaming or news.
- Setting VPN service on QHora-301W can eliminate the need of setting VPN for each home device.



## Set DNS on WAN

Manually configure DNS services to meet your special needs Make the Internet environment faster and more customized

| 🖹 RuRoôter             | QHora   | -301W   |                       |                       | <b>2</b> · :   <b>3</b> · |        |
|------------------------|---------|---|-----------------------|-----------------------|---------------------------|--------|
| ⑦ Dashboard            | Net P   | ort 1 Configuration                           |                       | ×                     |                           |        |
| 🛱 QuWAN 🗸 🗸            | You car | Interface:                                    | WAN                   | Current IP address:   | 172.17.30.174             |        |
| 뒥 Clients              | WAN     | WAN interface:                                | DHCP                  | Connect to DNS Server |                           | und by |
| Network ^              | _       | Current IP address:                           | 172.17.30.174         | Server automatically  | 🔘 Auto ( Manı             | Jany   |
| - Port Definition      |         | Connect to DNS Server<br>Server automatically | 🔿 Auto 🧿 Manuall      | DNS server:           | 10.8.2.11,172.16.2.1      | 1 🗸    |
| - WAN                  |         | DNS server:                                   | 10.8.2.11,172.16.2.11 |                       | witch.                    |        |
|                        |         | Description:                                  |                       | ~                     |                           |        |
| - LAN                  | Por     | NIC Information                               |                       |                       | Action                    |        |
| - VLAN                 |         | MTU:  | 1500 🗸                |                       |                           |        |
| - Routing              | 1       | Transferring (Tx) ISP line rate:              | 1000 🗸                | Mbps                  | ©                         |        |
| ((٩)) Wireless/Virtual | 2       | Receiving (Rx) ISP line rate:                 | 🗸                     | Mbps                  | ٢                         |        |
| Access Point           | 3       |   |                       |                       | 0                         |        |
| 🖽 NAT/ Firewall 🗸 🐇    | Apply   |   |                       | OK Cancel             |                           |        |

#### Specify the connection path of myQNAPcloud DDNS

| <b>Ru</b> Roôter  | QHora-301W  | <b>2</b> · :                          | <b>©</b>    |   |  |
|---|---|---------------------------------------|-------------|---|--|
| ④ Dashboard<br>좋? QuWAN ~   | DDNS (My DDNS)<br>Configure DDNS related settings on the page.  |                                       |             |   |  |
| Clients  Clients  Network  Vireless/Virtual Access Point  NAT/ Firewall  DDNS | <ul> <li>Enable My DDNS</li> <li>DDNS Settings: WAN port 1 (2)</li> <li>You can connect to the network services on your router by using the following AiQHora.myqnapcloud.com</li> <li>To change myQNAPcloud DDNS domain name, please click here</li> <li>Note: If the default port is not used, you will need to specify the port not services.</li> </ul> |                                       |             | You can choose static IP or<br>specify WAN port for<br>myQNAPcloud DDNS<br>connection |  |
| <ul> <li>QVPN Server ∨</li> <li>♀</li> <li>QVPN Client ∨</li> </ul>           | Recent DDNS Update Result 📀   | Select WAN Interface                  |             | ×   |  |
| 옷옥 Parental Controls<br>ⓒ System ∽<br>≪                                       | DDNS IP Adrress: 60.248.95.192<br>Last update time: 2021-02-01 18:01:19<br>Status: Successfully updated myQNAPcloud   | DDNS Settings<br>Select WAN Interface | WAN interfa | ¢   |  |
|   |   |                                       |             | OK Cancel   |  |

#### Functions Coming soon...

# IPTV

# VLAN setting on WAN and IPTV service

To better fulfill various services provided by regional ISP

#### IPv6 Support

IPv6 is extensively used in some areas such as Japan and China.

Pvh



# Classic Site to Site VPN settings

Allow QHora-301W to establish VPN connections with other routers or cloud service providers

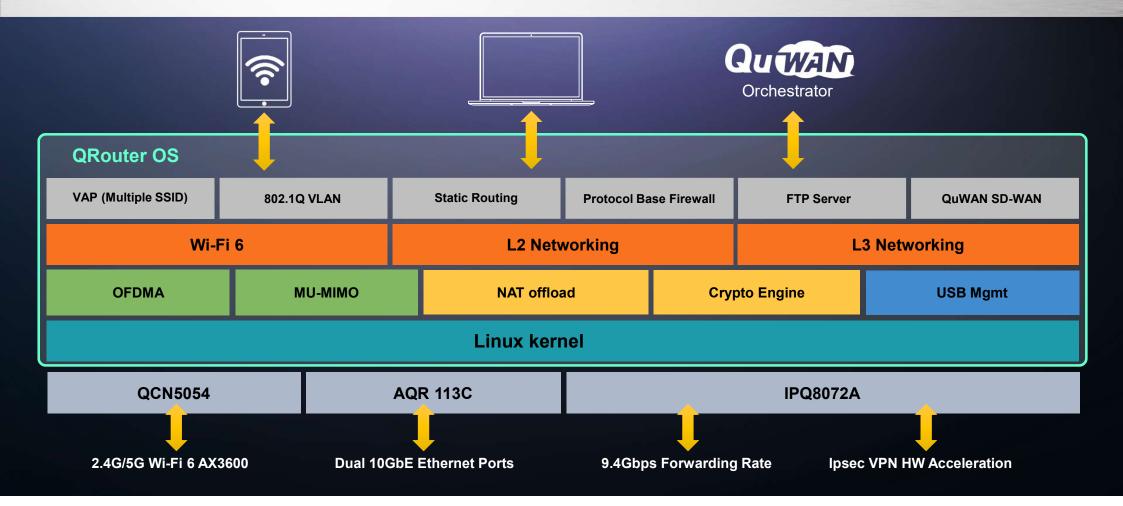
# QuRouter OS fulfills all you need for SMB and home office networking

| Spec  | Status  | Opetation<br>Mode  | Access<br>Control  | Security  | QVPN  | Advanced<br>network<br>setting  | System<br>setting  | QuWAN SD-<br>WAN   |
|---|---|--|--|---|---|---|--|--|
| QHora-<br>301W  | <ul> <li>Device status</li> <li>Wired<br/>network status</li> <li>Wireless status</li> </ul>                        | <ul> <li>Router<br/>Mode</li> <li>Access<br/>Point Mode</li> </ul> | <ul> <li>Parental<br/>controls:<br/>domain<br/>name<br/>filtering</li> </ul> | <ul> <li>Layer 3<br/>firewall</li> <li>NAT</li> <li>UPnP</li> <li>2 · :</li></ul> | <ul> <li>Can become<br/>VPN server or<br/>client</li> <li>Support remote<br/>access by using<br/>QBelt, L2TP<br/>and OpenVPN</li> </ul> | <ul> <li>WAN selection</li> <li>WAN/LAN port definition</li> <li>Tx/Rx status</li> <li>VLAN setting</li> <li>IPv4 static</li> </ul> | <ul> <li>Restart, reset,<br/>nackup, audio<br/>alert setting</li> <li>Local account<br/>and QID<br/>management</li> <li>USB Setting :</li> </ul> | <ul> <li>Org, region,<br/>site and<br/>connection<br/>role selectio</li> <li>Max tunnel<br/>scale 30</li> <li>QuWAN QoS</li> </ul> |
| ර Dashboard<br>දුලී QuWAN   | Dashboard<br>View the router's network status and other related   | information.   |  |   | Client     management   | routing <ul> <li>MyDDNS for</li> </ul>  | FTP server   |  |
| Clients  Clients  (m) Network  (m) Wireless/Virtual Access Point  NAT/ Firewall | Verview<br>QHora-301W is healthy.<br>System uptime: 24-12<br>CPU temperature: Normal<br>The firmware is up-to-date. | Device Connection  | QHora-301W   | Clients   | Event log   | myQNAPcloud   |  |  |
| 정 DDNS<br>② QVPN Server<br>우ం QVPN Client<br>옷은 Parental Controls<br>③ System   | WAN Overview Port 1 WAN interface: DHCP IP address: 172.17.30. Traffic:   | VAP Group 1<br>SSID:<br>Password:<br>174                           | VAP Group 2 VAP Group 3<br>QHoraAl   | Guest Wireless Network  |   |   |  |  |

#### **QuRouter OS Wireless Setting**

| Spec       | Wi-Fi AP (Wi-Fi 6)  | Wireless Network Management   |
|------------|---|---|
| QHora-301W | Dual-Band<br>5G (2475Mbps): 4x4 (80MHz), 2x2 (160MHz)<br>2.4G (1182Mbps): 4x4 (40MHz) | <ul> <li>Supports IEEE 802.11ax (Wi-Fi 6)</li> <li>Supports MU-MIMO</li> <li>Supports band steering for dual-band (2.4GHz and 5GHz) access points</li> <li>Transmission power (high, middle, and low)</li> <li>20/40/80/160 MHz bandwidth</li> <li>Dynamic Frequency Selection (DFS) channels (Auto, custom)</li> <li>RTS/CTS (Request to Send/Clear to Send) function</li> <li>Dual-band 2.4G and 5G settings</li> <li>Guest wireless</li> <li>IEEE 802.3Q Virtual LAN (Supports wired and wireless connections)</li> <li>Smart connect</li> <li>SSID and password configuration • Wireless Protected Access (WPA2-PSK, WPA-PSK + WPA2-PSK, WPA-Enterprise, WPA2-Enterprise, WPA3, OWE)</li> <li>Supports IEEE 802.11r fast roaming • Wireless scheduling</li> <li>Wireless (Protected Setup (WPS)</li> <li>Wireless client connection status and block lists</li> </ul> |

#### **QuRouter Architecture**



# **Enterprise-grade Feature: Virtual Access Point**

- QHora-301W supports VAP (Virtual AP) function, allowing for running up to 6 virtual APs. Each VAP has its own SSID & access right profiles and customized routes/policy to WAN Internet.
- By connecting to a wireless SSID, different group of users (or device clients) will be bridged to a different VLAN, such as office-intranet, home & guest network. Different VLAN group can have different network policy rule and can be seperated by using firewall.

| VLAN 10 |     |            | •))   |   | VAP Set 1 (Smart<br>Conenct)<br>SSID: Family (2.4G & 5G) |
|---------|-----|------------|-------|---|--|
| VLAN 20 |     |            | •)))  | 2 | VAP Set 2<br>SSID: Work_1F (2.4G)<br>SSID: Work_2F (5G)  |
| VLAN 30 | RRR | QHora-301W | •)))_ |   | VAP Set 3<br>SSID: School (2.4G)<br>SSID: School (5G)    |

# Demo QuRouter OS

ENEP

ETG ETG

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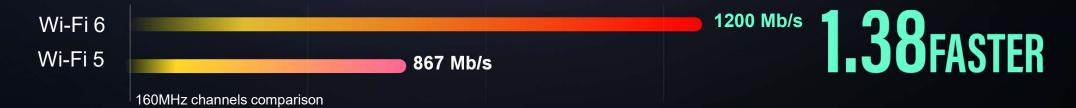
# QHora-301W is your first step toward next generation networking

# New-gen Router Requires WiFi 6

#### High-speed connectivity

With the revolutionary combination of OFDMA, MU-MIMO and BSS Coloring technologies

WiFi 6 technology provides higher network capacity and reduces latency in traffic-intensive environments

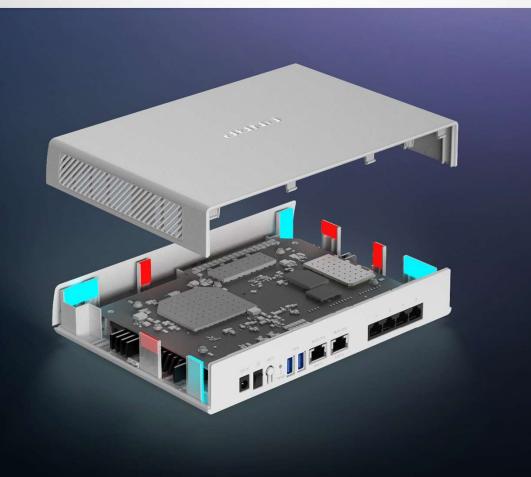


#### WiFi 6 is the next-gen WiFi standard

In 2020, more and more client devices began to support WiFi 6, including computers, mobile phones and tablets.



## **Eight Internal Antennas**



#### Advantages

2.4 GHz Antennas (5dBi)

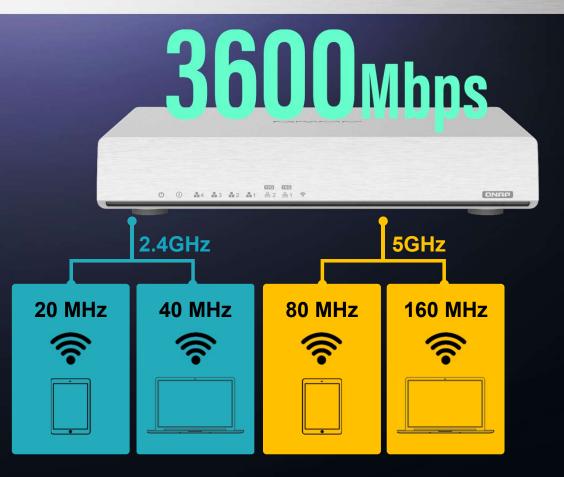
- Not only Wi-Fi 5 has a built-in antenna, QHora-301W provides a built-in antenna for Wi-Fi 6
- It is easy to place and is in line with family design style
- Provide stable performance, users do not need to adjust the antenna angle by themselves
- High-power amplifiers & antennas help extend WiFi coverage throughout large homes & even backyards

Antennas (5dBi)

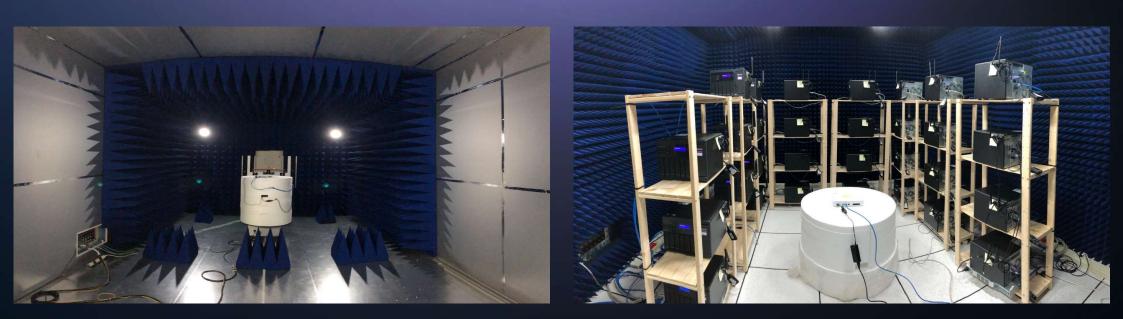
## **High-performance Wireless Network**

#### WiFi 6 – Huge Gains in Multi-user Access Efficiency An essential tool for IoT smart home

- AX3600 Theoretical throughput
- 5G (2475Mbps): 4x4 (80MHz), 2x2 (160MHz)
  2.4G (1182Mbps): 4x4 (40MHz)
- The highest supported bandwidth is 160MHz (channels are opened to areas that governed by CE, IC, NCC, TELEC and OFCA safety regulations)



#### High-performance is tuned by High Standard Lab

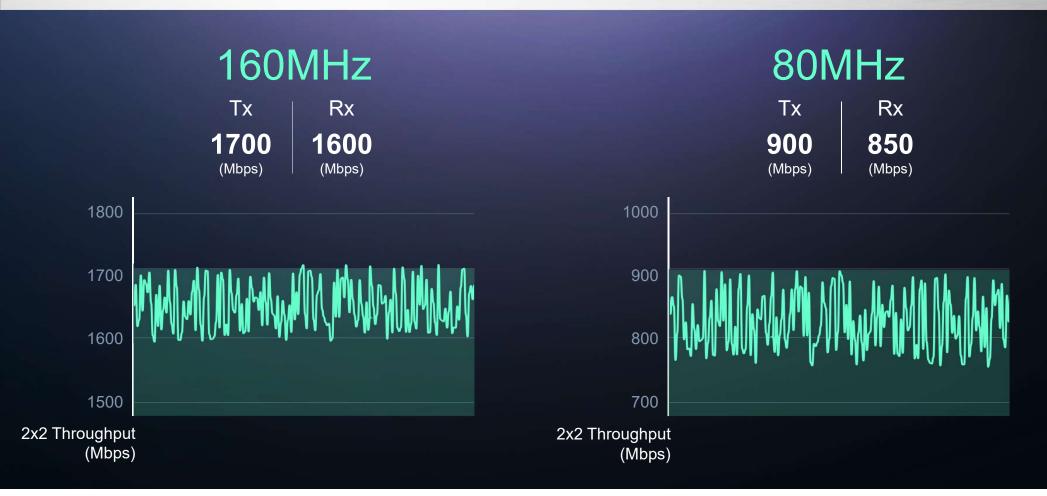


Point to point test

Multiple client test

## **QHora-301W Wireless Performance**

#### 802.11ax / 5G



## New-gen Router Requires Dual 10GbE Port

#### QHora-301W provides 10GbE port Provide up to 9.6 Gbps NAT routing

Support high-speed internal and external network transmission Meet the needs of remote backup of large business files



#### New-gen Router needs to provide SD-WAN service

Built-in SD-WAN solution (QuWAN), supporting full Mesh VPN for easy multi-site VPN deployment.



#### Subscription-Free

No need to purchase other devices for multi-site VPN



#### **Flexible Deployment**

- Auto VPN tunneling
- Support network optimization to ensure connection quality

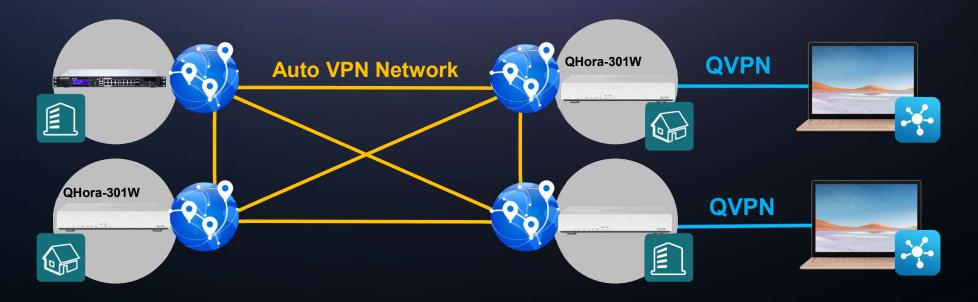


**Center Management** 

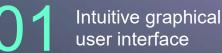
**QuWAN Orchestrator** 

## QuWAN is a complete SD-WAN solution

QNAP QuWAN is a complete SD-WAN solution that provides enterprise IT managers with a simple, fast, secure and efficient network connection structure. You can easily and quickly build a multi-site VPN network and centrally manage it from a cloud platform.



#### A centrally managed platform solves the management issues of multiple devices



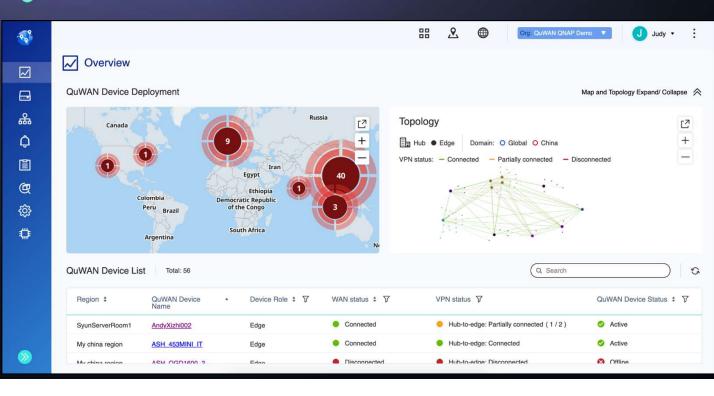
2 Geological location of each device

3 Overview connection status of all devices

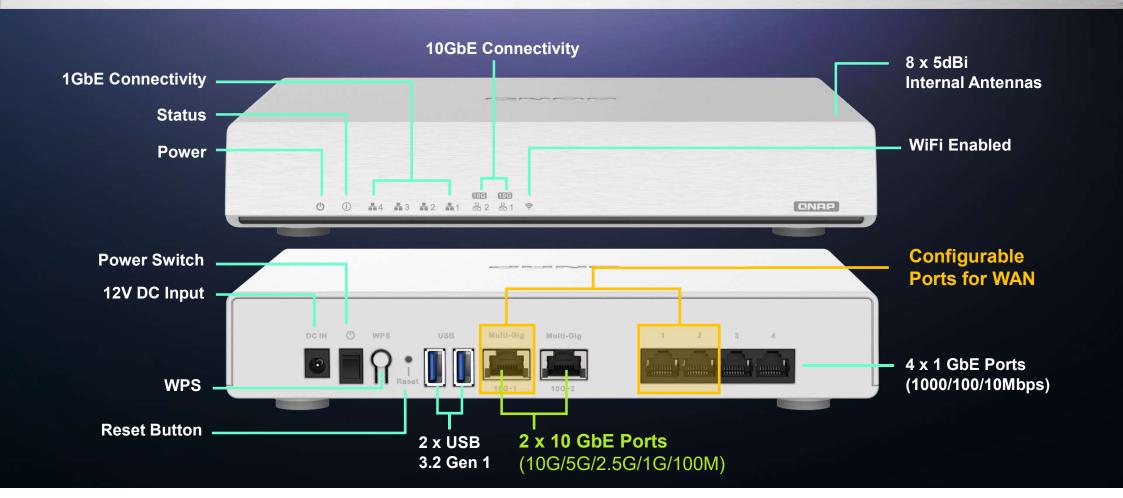
)4 Simulta execute parame

Simultaneously execute various parameter settings

#### Instant Notification



#### Hardware Appearance

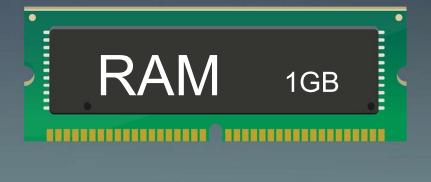


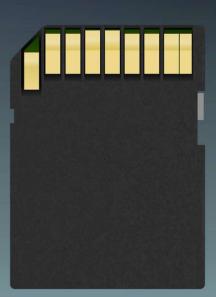
#### **Powerful Performance**

- Powered by Hawkeye v2
   IPQ8072A quad-core 2.2GHz 64-bit
   processor
- Can quickly handle 10G throughput network transmission
- 1GB system memory. QHora-301W can reliably support more concurrent users

- 4GB eMMC Flash Storage
- Provide multiple functions on Qhora-301W. ex, QVPN, SD-WAN







## Fanless Design: Silent Operation x Maintain Performance

- Fanless with unique ventilated construction allows QHora-301W to maintain its throughput efficiency within 0-40°C operating temperature.
- Quiet operation makes QHora-301W the perfect home routing solution for worldwide use.

# Hardware Spec

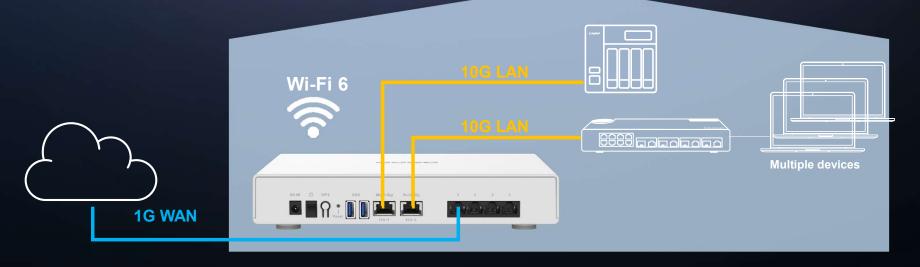
| Function                 | QHora-301W   |  |  |  |  |
|--------------------------|--|--|--|--|--|
| Network Interface (RJ45) | <ul> <li>4 x RJ-45 1GbE (WAN/LAN configurable)</li> <li>2 x RJ-45 10GbE (10G/5G/2.5G/1G/100Mbps, WAN/LAN configurable)</li> </ul>      |  |  |  |  |
| Antenna                  | 8 Internal 5dBi Antennas   |  |  |  |  |
| Processor                | Qualcomm IPQ8072A Hawkeye 2 Quad-core 2.2 GHz 64-bit CPU   |  |  |  |  |
| Memory                   | 1GB RAM  |  |  |  |  |
| Flash Storage            | 4GB eMMC   |  |  |  |  |
| Wireless                 | <ul> <li>Dual-band AX3600<br/>5G (2475Mbps): 4x4 (80MHz), 2x2 (160MHz)<br/>2.4G (1182Mbps): 4x4 (40MHz)</li> <li>WPS button</li> </ul> |  |  |  |  |
| Mounting Support         | VESA 75 x 75 mm<br>(Optional third-party mounting kits are available for wall-mount, table mount and pole mount).                      |  |  |  |  |
| Fanless Design           | Maintain consistent system performance within 0-40C operating temperature  |  |  |  |  |
| SD-WAN Max VPN Tunneling | 30   |  |  |  |  |

# Dual 10GbE ports meets all your application scenarios

## Scenario 1: 2 x 10GbE LAN Connections

#### One of 1GbE WAN and Two of 10GbE LAN

- Build a high-speed 10GbE Intranet network by connecting 2 x 10GbE ports to 10GbE devices in LAN environment.
- Benefits: accelerate file access and sharing within LAN.



# Scenario 2: 1 x 10GbE WAN & 1 x 10GbE LAN Connections

- High-speed inter-office VPN network
  - with 10GbE Internet and 10GbE Intranet connectivity.
- Benefits: streamlined cross-site file backup, synchronization and sharing.

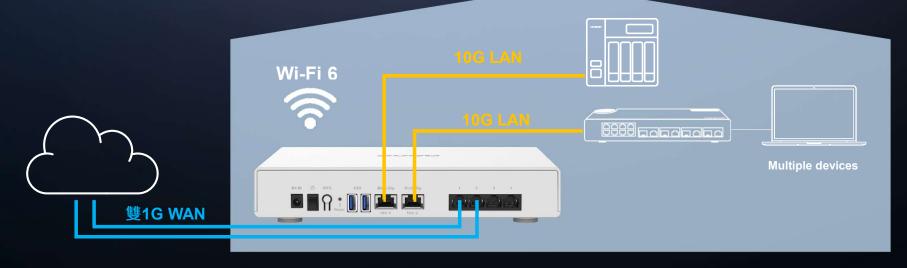


# Scenario 3:

#### Multi-WAN with SD-WAN & 2 x 10GbE LAN Connections

#### Two of 1GbE WAN

- WAN optimization with WAN aggregation, WAN failover & load balancing, and flexible static routing to increase data transfer efficiency across WANs
- Auto mesh VPN for easy multi-site VPN network deployment
- Benefits: Secure cross-site VPN network with optimized WAN connections





## QHora-301W

Subscription-Free SD-WAN QuWAN

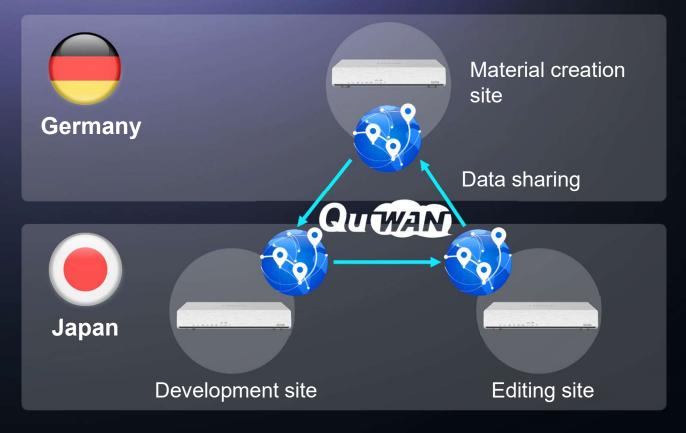
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### Efficiently build multi-site VPN

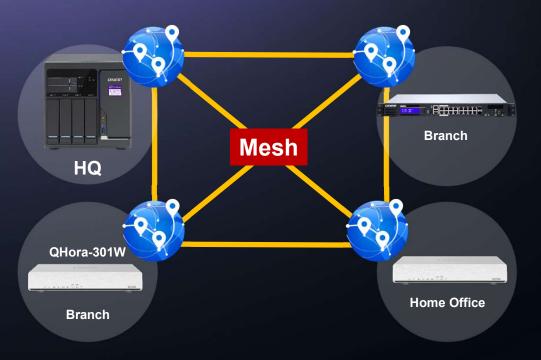
#### Secure business data

As long as QHora-301W is connected to QuWAN Orchestrator, a private network can be established in the same organization



## Flexible VPN Topology: Mesh VPN

- Mesh VPN topology is suitable for a network architecture that requires fast and multiple route network.
- It is recommended to use Public IP for being a Hub.
- If you use Private IP to set for Hub, please make sure that the UDP Port 7788, 4500, 500, 5555 of the upper router is opened. (\*\* Function will be released in QuWAN Orchestrator 2.1 or later version)
- Hub can automatically form Mesh VPN with all other Hubs in the same domain.

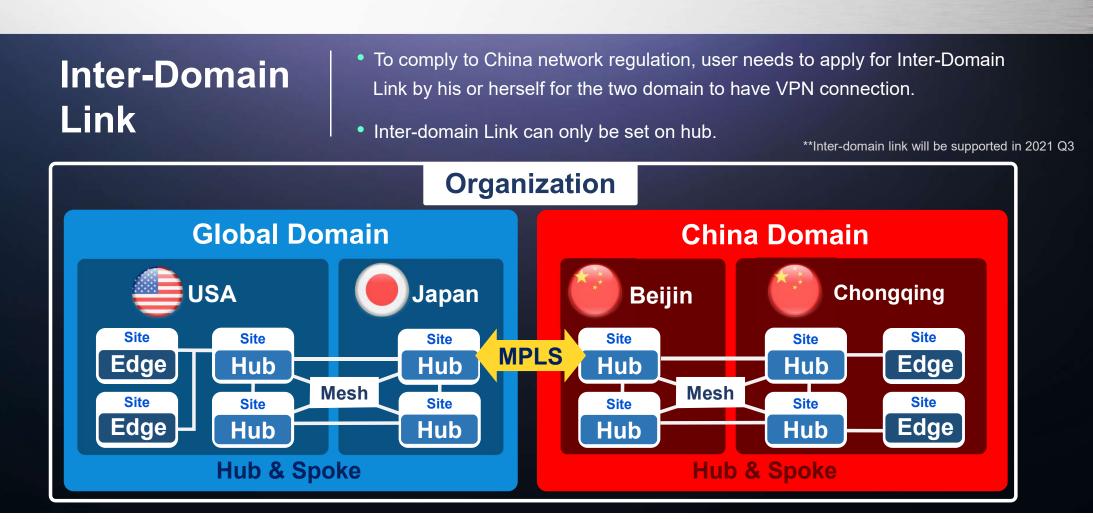


## Flexible VPN Topology: Hub & Spoke

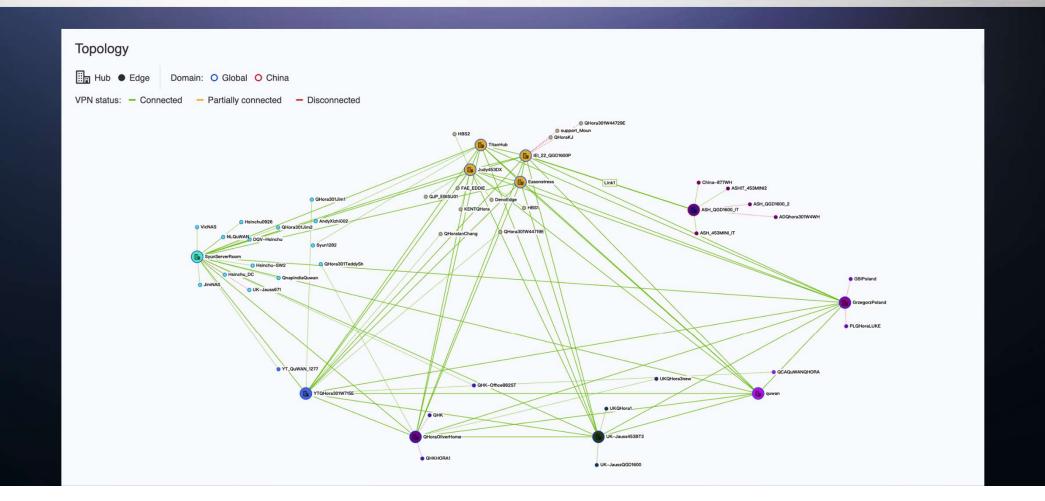
- Hub & Spoke topology is suitable for a network architecture that requires fast deployment, extension and backup route.
- All data transmission between edges will go through a hub
- If your device uses private IP, it can connect to network topology as Edge



## **QuWAN Network Topology**



## **QuWAN Topology**



## **QuWAN's Features and Benefits**



**Auto Mesh VPN** 



**WAN Optimization** 



**Cloud Management** 



**Cost Optimization** 



Intuitive Web Management



**Networking Security** 

# WAN aggregation to improve data transmission rate

WAN aggregation is effective in achieving a faster data transmission for remote backup and remotely mounted file system



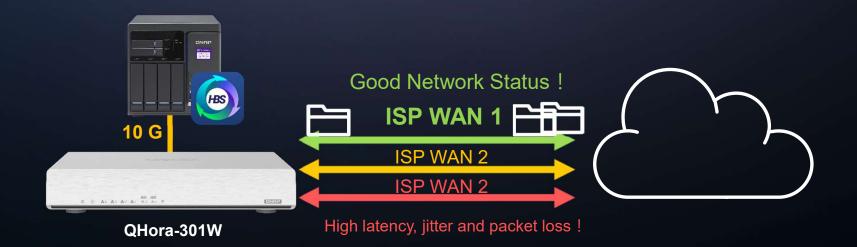
## WAN Failover

- Multi-site connection can form a backup system automatically that allow uninterrupted collaborative operations.
- The central management platform sends warnings and notifications in real time



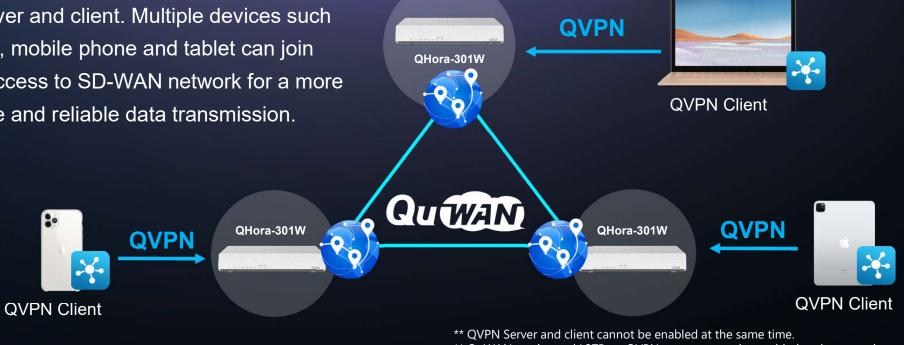
## WAN Load Balancing

- Using Multipath TCP (MPTCP) technology to automatically detect current network jitter, delay, and packet loss conditions, so that each packet takes the best network path to the destination, so as to achieve intelligent routing and uninterrupted connection for transmission
- Maintain long-term and efficient transmission by distributing traffic through multiple WANs



#### Connect Multiple Devices to SD-WAN Network with QVPN

QVPN is QNAP's VPN solution with a pair of server and client. Multiple devices such as PC, mobile phone and tablet can join and access to SD-WAN network for a more secure and reliable data transmission.

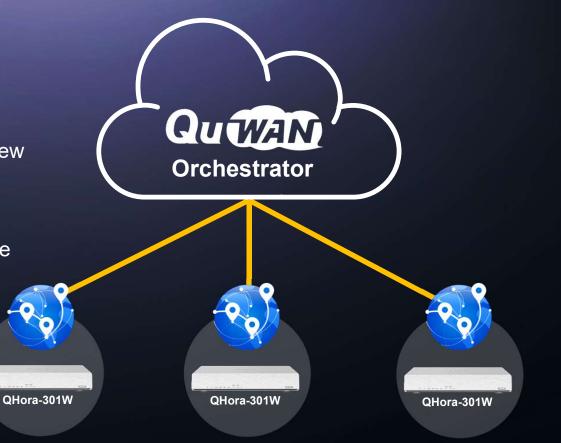


\*\* QuWAN service and L2TP on QVPN server cannot be enabled at the same time.

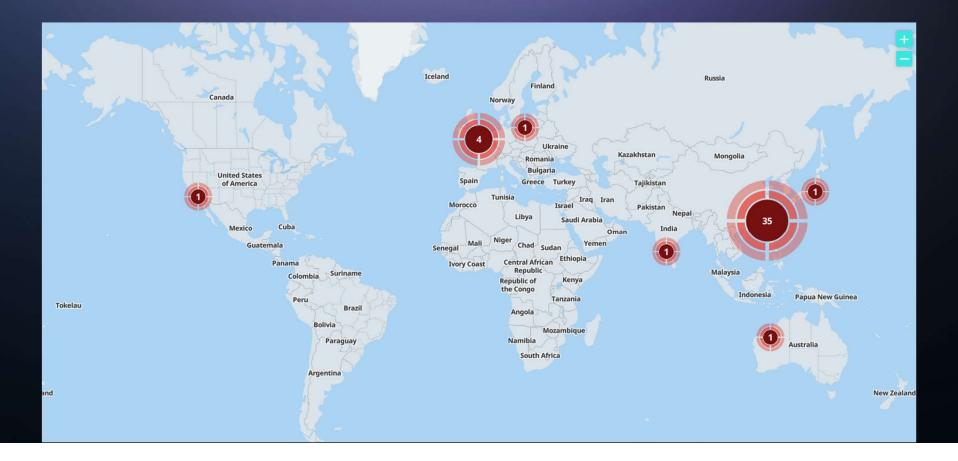
## Enable QuWAN to manage QHora-301W through the cloud platform

#### **QuWAN Orchestrator**

Go to quwan.qnap.com and log in with QID to view the QHora-301W device, network and VPN connection status, organization-wise topology, connection method. You can also perform remote debugging through the cloud platform



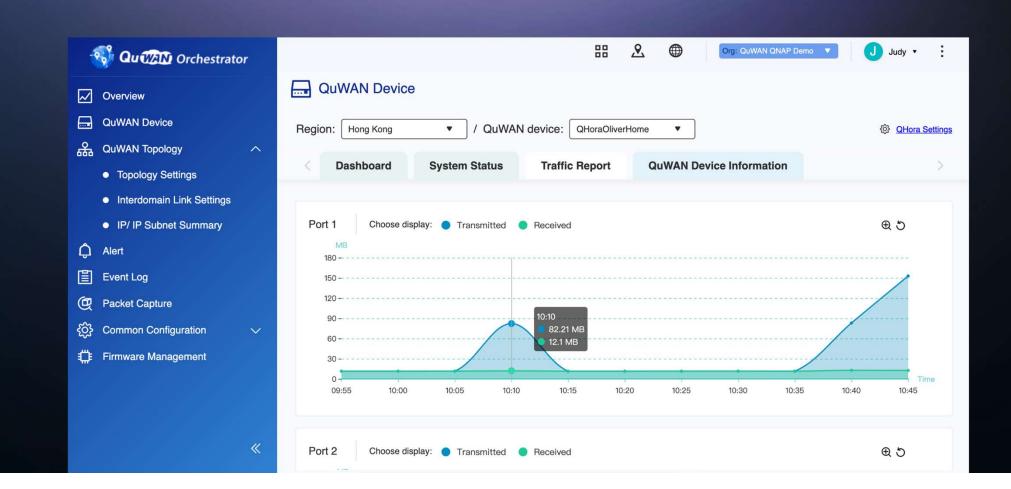
## Geological location of each device



## **Device and Network Status**

|             |  |                              | 88                 | 2                  | Org: QuWAN QNAP Demo | Judy 🔹 🗄 |  |
|-------------|--|------------------------------|--------------------|--------------------|----------------------|----------|--|
|             | 品 QuWAN Topology / IP/ IP Subnet Summary |                              |                    |                    |                      |          |  |
| E<br>A<br>↓ | Topology<br>III Hub ● Edge Domain: C     |                              |                    |                    | ର୍ କ୍ ୪ 📀            |          |  |
| Ţ<br>Ē      | IP/ IP Subnet Summary Ta                 |                              | Q Search           |                    |                      |          |  |
| ŝ           | IP Static Route                          |                              |                    |                    |                      |          |  |
| ٥           | Region 🗘                                 | QuWAN Device Port/ VLAN ID 💲 | Port Definition \$ | IP \$              | Description          |          |  |
|             | Hong Kong                                | QHK / Port 1                 | WAN                | 10.26.43.10 / 16   | •                    |          |  |
|             | Hong Kong                                | QHK / Port 8                 | LAN                | 192.168.200.1 / 24 |                      |          |  |
|             | Hong Kong                                | QHK-Office882ST / Port 1     | WAN                | 10.26.42.202 / 16  | 175                  |          |  |
|             | Hong Kong                                | QHK-Office882ST / Port 8     | LAN                | 192.168.26.1 / 24  |                      |          |  |
|             | Hong Kong                                | QHKHORA1 / Port 1            | WAN                | 10.26.42.18 / 16   |                      |          |  |
|             | Hong Kong                                | QHKHORA1 / VLAN 4094         | LAN                | 192.168.101.1 / 24 |                      |          |  |
| »           | Hong Kong                                | QHKHORA1 / VLAN 1000         | LAN                | 192.168.104.1 / 24 | -                    |          |  |
|             | Hans Kana                                |                              | 1.4.61             | 100 100 100 1 /04  |                      |          |  |

## QHora-301W Traffic Report



## **Organizational IP Segment Allocation**

|        |   |   | 88                              | 2  | Org: QuWAN QNAP Demo | Judy •  |
|--------|---|---|---------------------------------|--|----------------------|---------|
|        | Real QuWAN Topology / IP/ IP Subnet Summary                   |   |                                 |  |                      |         |
|        | Topology<br>III Hub ● Edge Domain: C                          | ) Global 🔘 China  |                                 |  |                      | Q Q S 😒 |
| ¢      |   |   |                                 |  |                      |         |
|        | IP/ IP Subnet Summary Table                                   |   |                                 |  |                      |         |
| œ<br>ŵ | IP Static Route   |   |                                 |  |                      |         |
| ~~~    |   |   |                                 |  |                      |         |
| Ö      | Region \$   | QuWAN Device Port/ VLAN ID \$   | Port Definition \$              | IP 🛊   | Description          |         |
| ٥      | Region \$<br>Hong Kong  | QuWAN Device Port/ VLAN ID \$   | Port Definition 🗘               | IP \$<br>10.26.43.10 / 16  | Description          |         |
| 0      |   |   |                                 |  |                      |         |
| 0      | Hong Kong   | <u>OHK</u> / Port 1   | WAN                             | 10.26.43.10 / 16   | •                    |         |
| 0      | Hong Kong<br>Hong Kong  | <u>QHK</u> / Port 1<br><u>QHK</u> / Port 8  | WAN                             | 10.26.43.10 / 16<br>192.168.200.1 / 24   | •                    |         |
| 0      | Hong Kong<br>Hong Kong<br>Hong Kong                           | <u>QHK</u> / Port 1<br><u>QHK</u> / Port 8<br><u>QHK-Office882ST</u> / Port 1   | WAN<br>LAN<br>WAN               | 10.26.43.10 / 16<br>192.168.200.1 / 24<br>10.26.42.202 / 16  | -                    |         |
| 0      | Hong Kong<br>Hong Kong<br>Hong Kong<br>Hong Kong              | QHK / Port 1         QHK / Port 8         QHK-Office882ST / Port 1         QHK-Office882ST / Port 8                           | WAN<br>LAN<br>WAN<br>LAN        | 10.26.43.10 / 16<br>192.168.200.1 / 24<br>10.26.42.202 / 16<br>192.168.26.1 / 24                     | -                    |         |
| ©<br>» | Hong Kong<br>Hong Kong<br>Hong Kong<br>Hong Kong<br>Hong Kong | QHK / Port 1         QHK / Port 8         QHK-Office882ST / Port 1         QHK-Office882ST / Port 8         QHKHORA1 / Port 1 | WAN<br>LAN<br>WAN<br>LAN<br>WAN | 10.26.43.10 / 16<br>192.168.200.1 / 24<br>10.26.42.202 / 16<br>192.168.26.1 / 24<br>10.26.42.18 / 16 | -                    |         |

## Enable QuWAN on QHora-301W

Just select the organization, region and connection role, and your QHora-301W can build VPN tunnel with other QuWAN devices within the same organization

|                    | <b>Ru</b> Roôtei                 | C QHora-301W   |  | <u>.</u> • : | <b>6</b> |  |  |
|--------------------|----------------------------------|--|--|--------------|----------|--|--|
| Ø                  | Dashboard                        | QuWAN  |  |              |          |  |  |
| ŧ                  | QuWAN                            | You can set up your device as a hub or an edge and add it to the QuWAN topology in QuWAN Orchestrator to access the QuWAN service. |  |              |          |  |  |
| F                  | Clients                          | QuWAN Settings   |  |              |          |  |  |
|                    | Network 🗸 🗸                      | The device is part of t  | he QuWAN network. Leave the Organization and QuWAN                         |              |          |  |  |
| (( <del>ๆ</del> )) | Wireless/Virtual Access<br>Point | QuWAN Orchestrator   | connection status: O Connected   |              |          |  |  |
| ⊞                  | NAT/ Firewall 🛛 🗸 🗸              | QuWAN VPN status:  | Hub-to-edge: Connected<br>The router is connected to hub "SyunServerRoom". |              |          |  |  |
| ۂ                  | QVPN V                           | Organization:  | QuWAN  |              |          |  |  |
| ୧୧                 | Parental Controls                | Region:  | SyunServerRoom1  |              |          |  |  |
| <b>6</b> )         | System ~                         | Site:  | My Site  |              |          |  |  |
|                    |                                  | Device name:   | JudyQHora05  |              |          |  |  |
| Ð                  | Firmware                         | QuWAN device ID:   | 3c56f09b-2eb6-4a9a-b2b3-4a1ded1b15be                                       |              |          |  |  |
|                    |                                  | Device role:   | O Hub  |              |          |  |  |
|                    |                                  |  | S Edge   |              |          |  |  |



# QHora-301W



## is Your Best Choice!

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