

Full
2.5GbE x **10GbE**
Managed

QSW-M2108 Series

Layer 2 Managed 2.5GbE/10GbE Switch, hardware design supports universal deployment

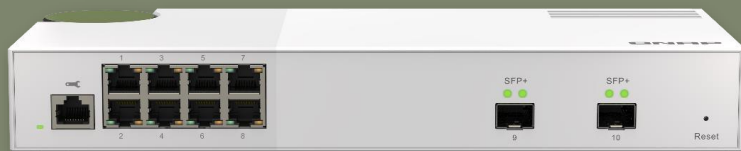


What problem SMB meet when deploying high speed network?

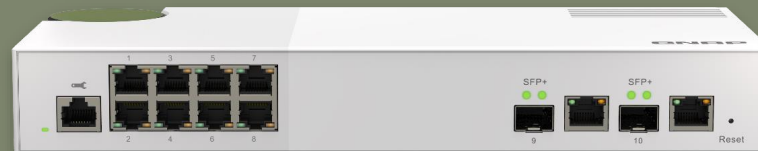
QSW-M2108R-2C



QSW-M2108-2S



QSW-M2108-2C



QSW-M2108R-2C



Slow network speed hinder efficiency of office work

- Main board, laptop and NAS support 2.5/10GbE
- Keep you stay with high speed network without latency



Gigabyte Z490 AORUS MASTER



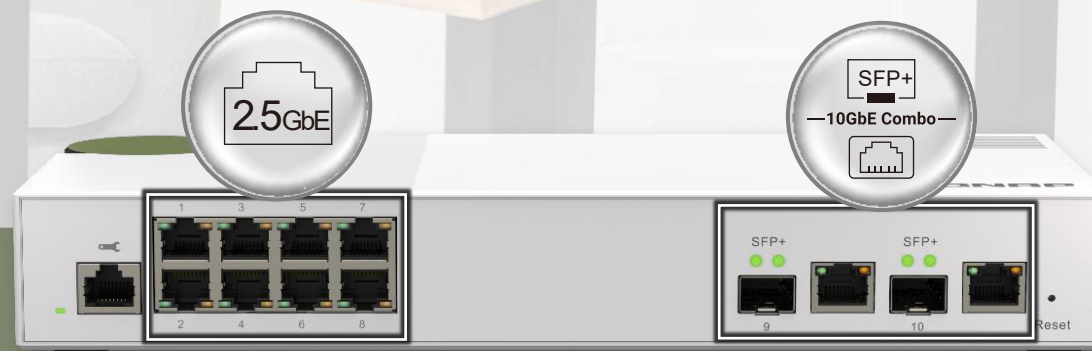
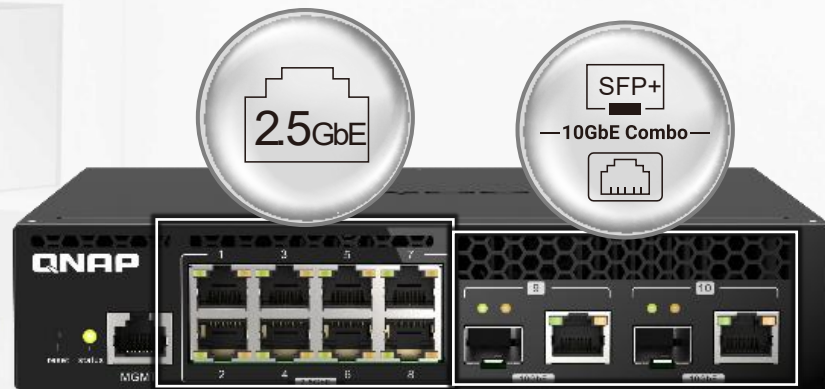
Apple MacBook



QNAP TS-832PX

Full 2.5GbE managed switch can handle it

Full
2.5GbE
Managed



Other problems of network infrastructure for small businesses



Slow LAN speed

It is particularly a headache on sharing large files or making system backup.



Limited budget

SMB want to upgrade their network infrastructure but there is no suitable product at affordable price for them to choose.



No dedicated IT Engineer

The IT helper might have limited time and professional background to configure a managed Ethernet switch properly.

What SMB need?



Upgrade speed



Simple to setup



Affordable price

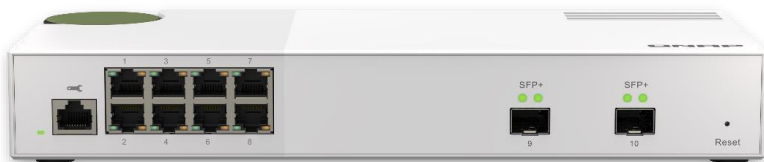


Must-have management

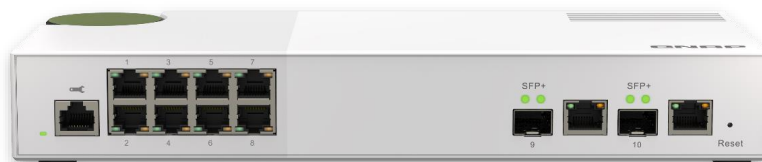


Multiple port speed

QSW-M2108-2S



QSW-M2108-2C



QSW-M2108R-2C

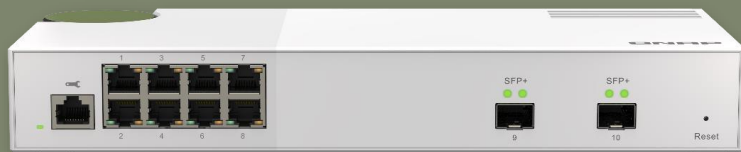


The solution to the problems from QNAP

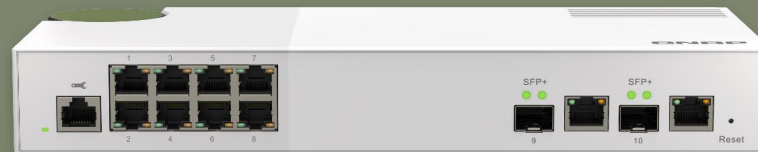
QSW-M2108R-2C



QSW-M2108-2S



QSW-M2108-2C

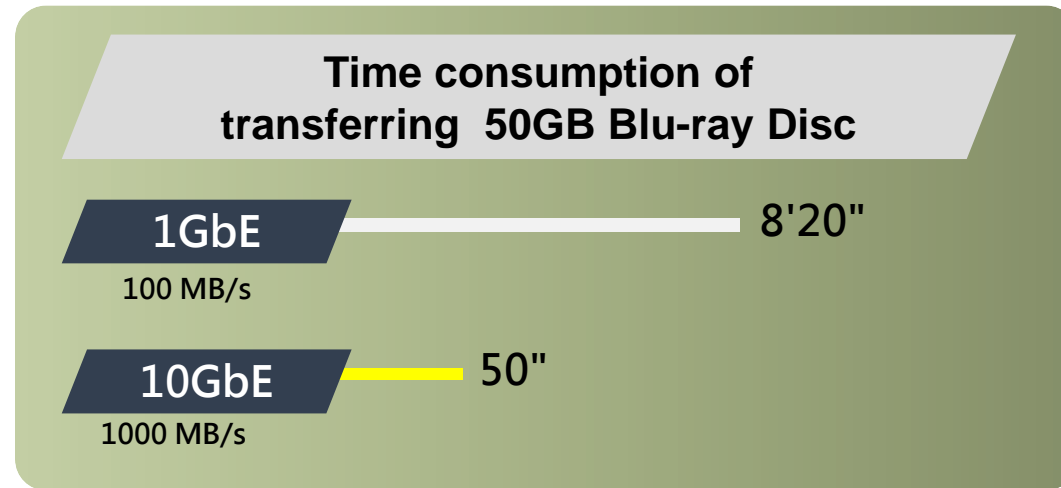


QSW-M2108R-2C

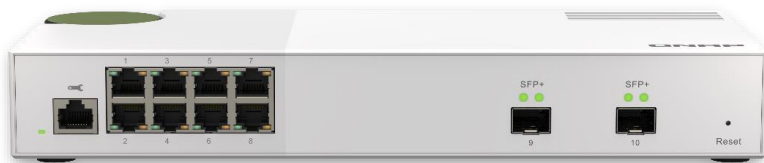


QSW-M2108 Series : Base on the true demends

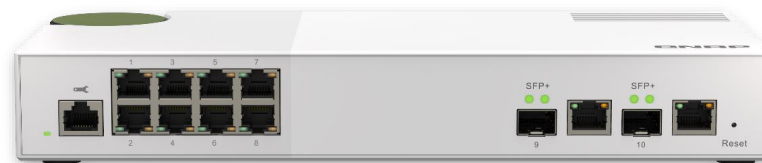
- Core network can upgrade to 10GbE
- Pragmatic port configuration · 10GbE for the most needed connections · 2.5GbE for usual usage.



QSW-M2108-2S



QSW-M2108-2C



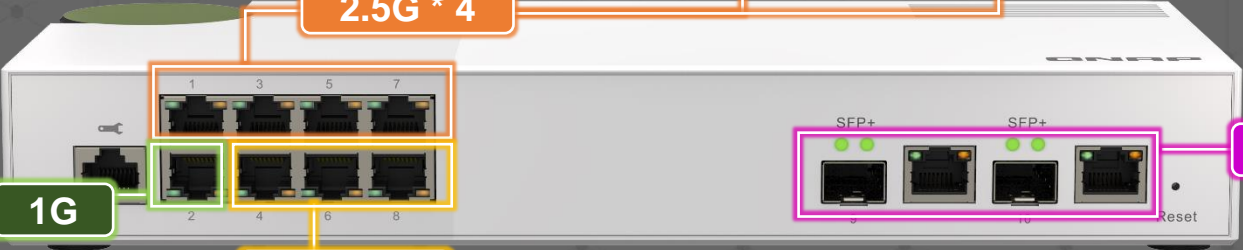
QSW-M2108R-2C



SMB Scenario-1



2.5G * 4

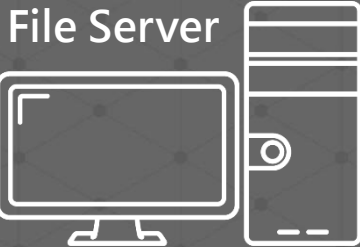


1G

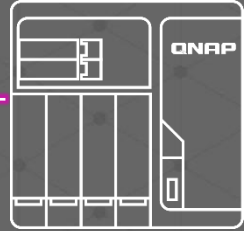
1G * 3



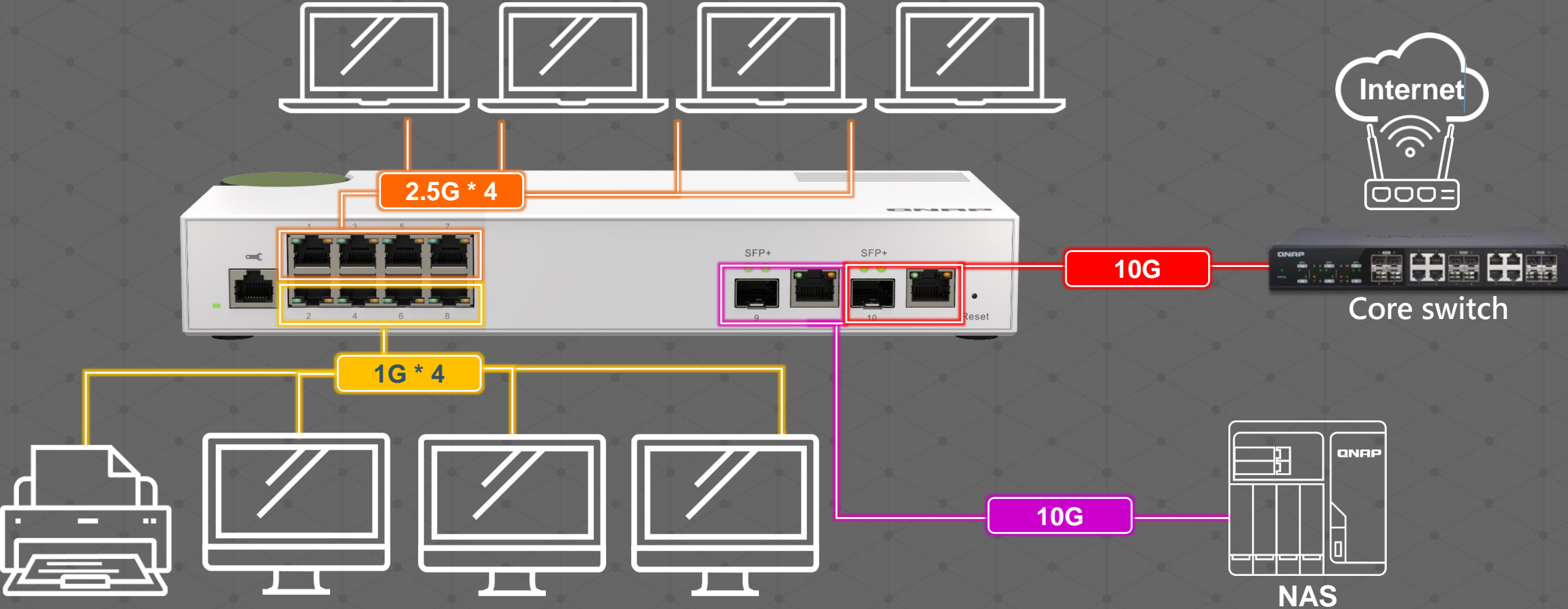
10G * 2



NAS



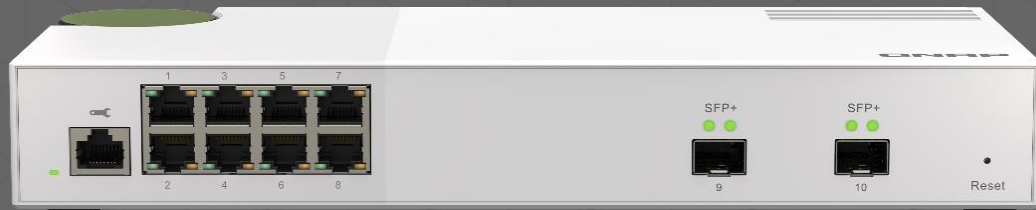
SMB Scenario-2



Pragmatic port configuration, suitable for SB's basic and expanded applications

Suitable for SMB of basic or extension deploy.

Switching
bandwidth
80 Gbps



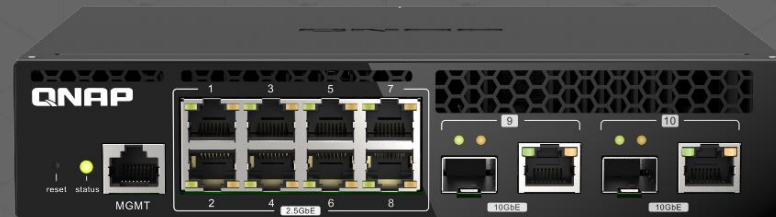
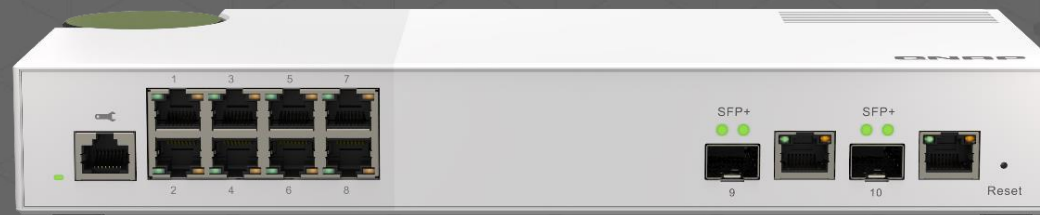
QSW-M2108-2S

8 * 2.5GbE RJ45
2 * 10GbE SFP+



QSW-M2108-2C
QSW-M2108R-2C

8 * 2.5GbE RJ45
2 * 10GbE SFP+/
NBASE-T Combo



10G NBASE-T downward compatible



10G NBASE-T downward compatible



Upgrade the network based on original cabling

Re-cabling is not required, enjoy > 1Gbps with the original Cat5e cabling.

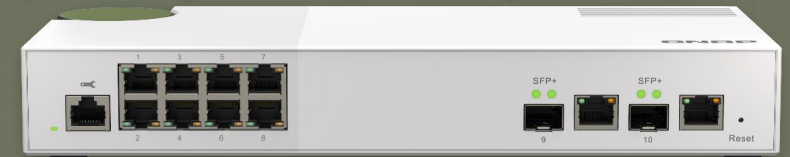
| | CAT 5e | CAT 6 | CAT 6A & CAT 7 |
|------|--------|--------|----------------|
| 100M | V | V | V |
| 1G | V | V | V |
| 2.5G | V | V | V |
| 5G | V | V | V |
| 10G | X | V(55m) | V |

Note: QSW-2108M-2C

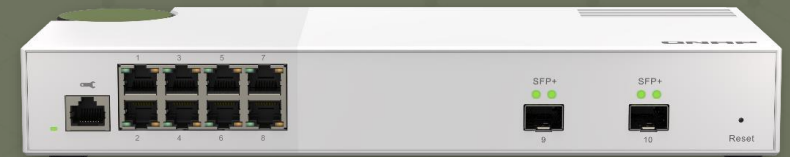
QSW-M2108R-2C



QSW-M2108-2C

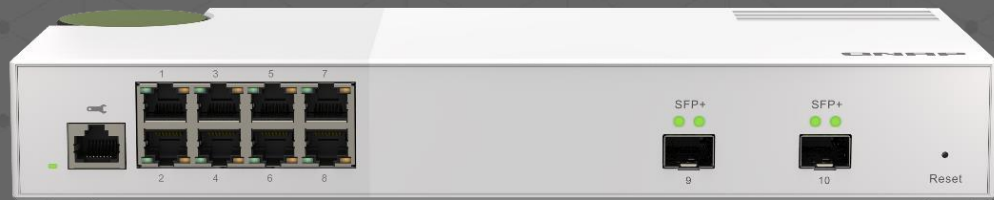


QSW-M2108-2S



Optional for desktop or rack mount form

Desktop



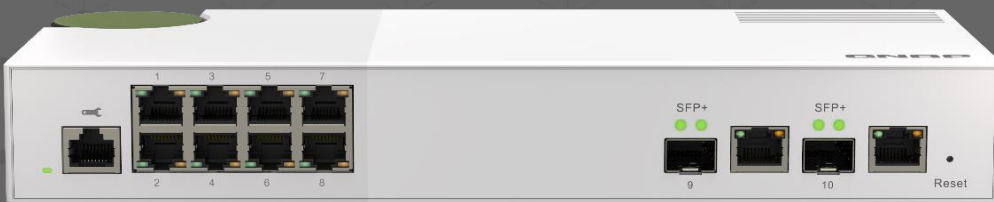
QSW-M2108-2S

Rack mount



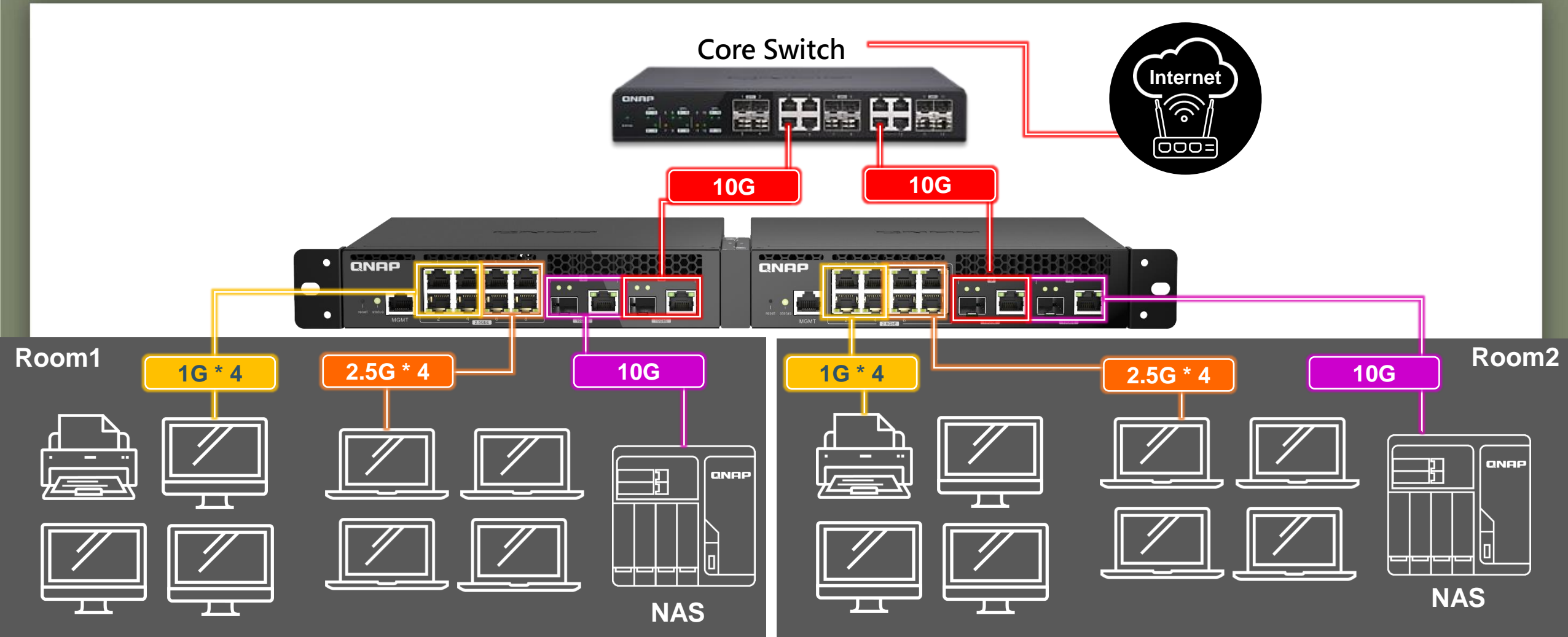
QSW-M2108R-2C

Desktop



QSW-M2108-2C

SMB-3



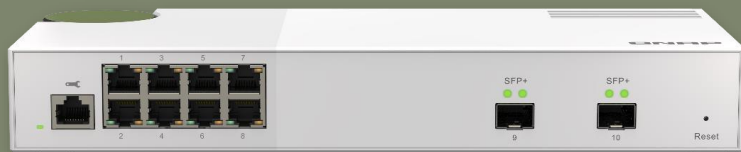
Note: Requires separate 2-in-1U rackmount kit. Please visit <https://shop.qnap.com>.

QSW-M2108 Hardware highlights

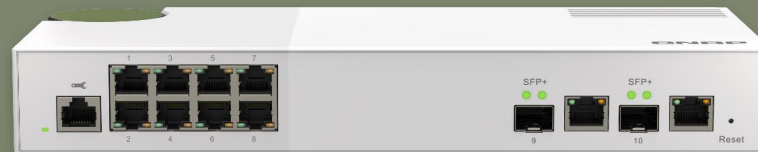
QSW-M2108R-2C



QSW-M2108-2S



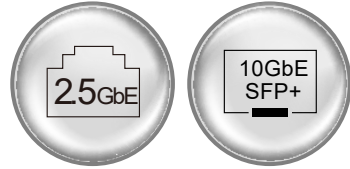
QSW-M2108-2C



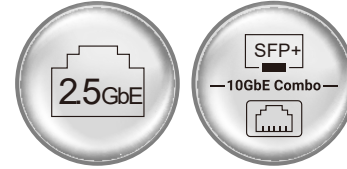
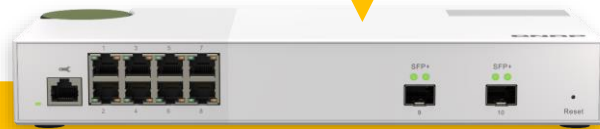
QSW-M2108R-2C



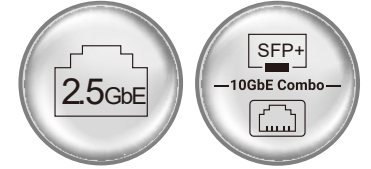
QSW-M2108 series hardware spec



QSW-M2108-2S



QSW-M2108-2C



QSW-M2108R-2C



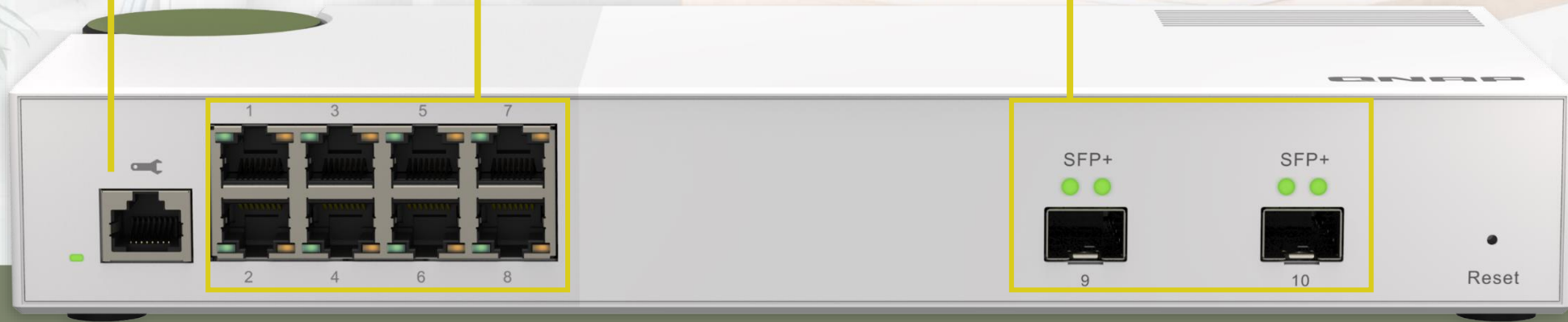
| | | | |
|-------------------------------|----------|----------|------------|
| Number of Port | 10 | 10 | 10 |
| 2.5 GbE RJ45 | 8 | 8 | 8 |
| 10 GbE SFP+ | 2 | - | - |
| 10 GbE SFP+/RJ45 combo | - | 2 | 2 |
| Switch bandwidth | 80Gbps | 80Gbps | 80Gbps |
| Fan design | With fan | With fan | With fan |
| Form factor | Desktop | Desktop | Rack mount |

QSW-M2108-2S Device Mylar

● Management port

● 8 x 2.5GbE RJ45 ports

● 2 x 10GbE SFP+ ports

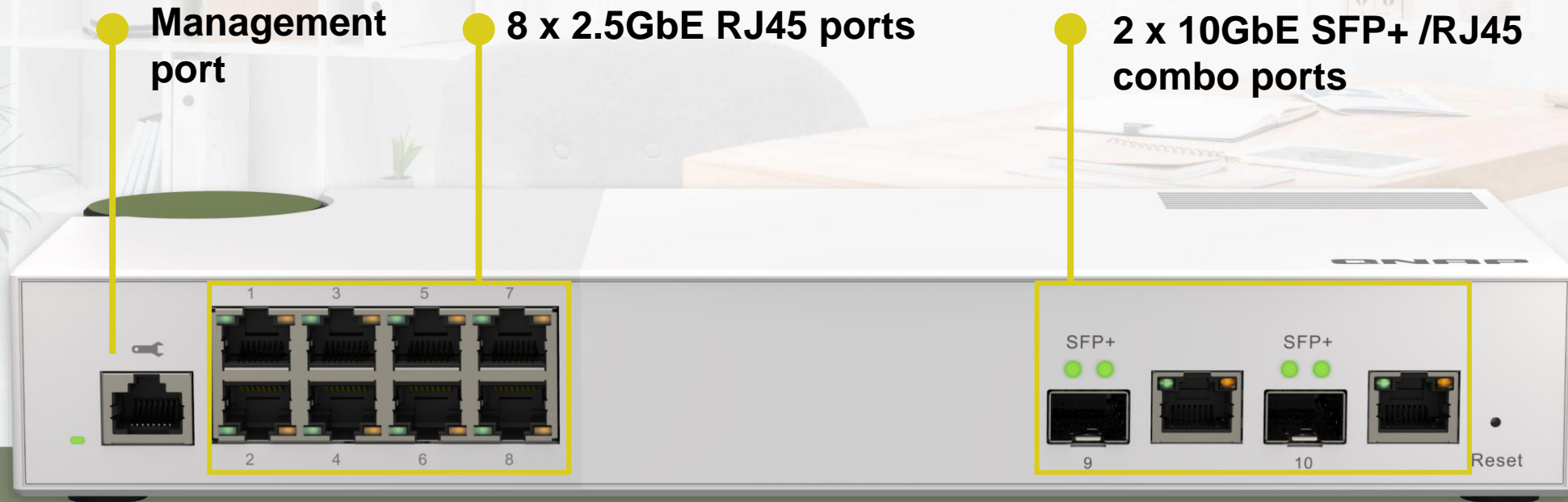


QSW-M2108-2C Device Mylar

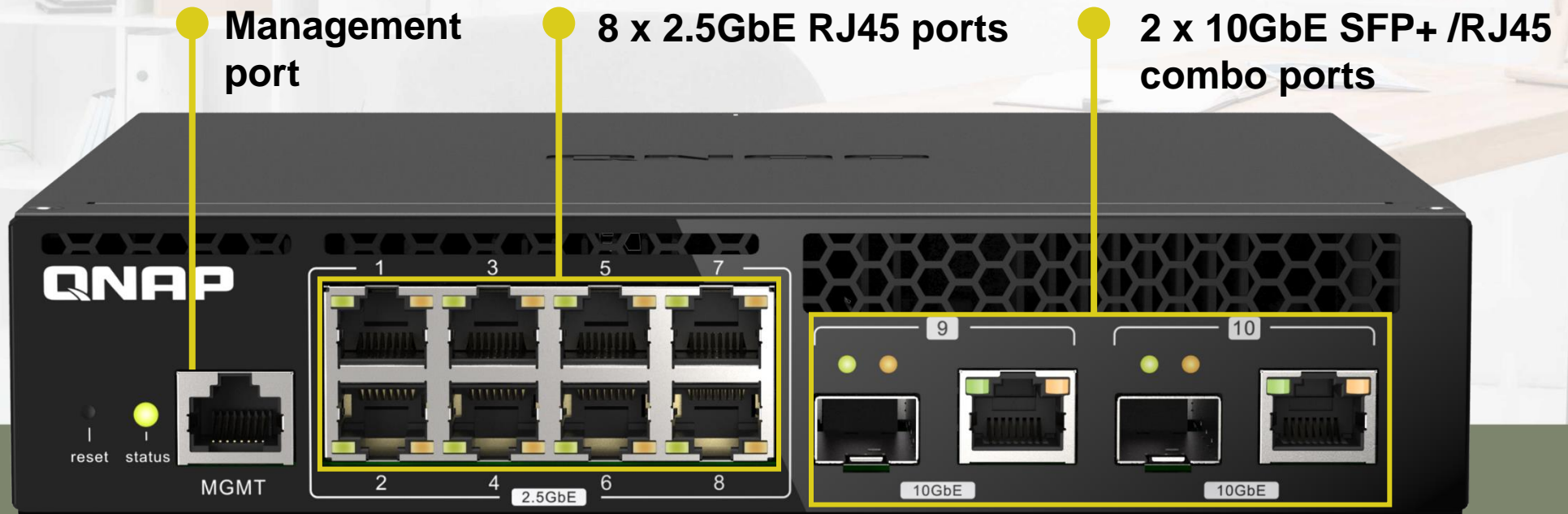
Management port

8 x 2.5GbE RJ45 ports

2 x 10GbE SFP+ /RJ45 combo ports

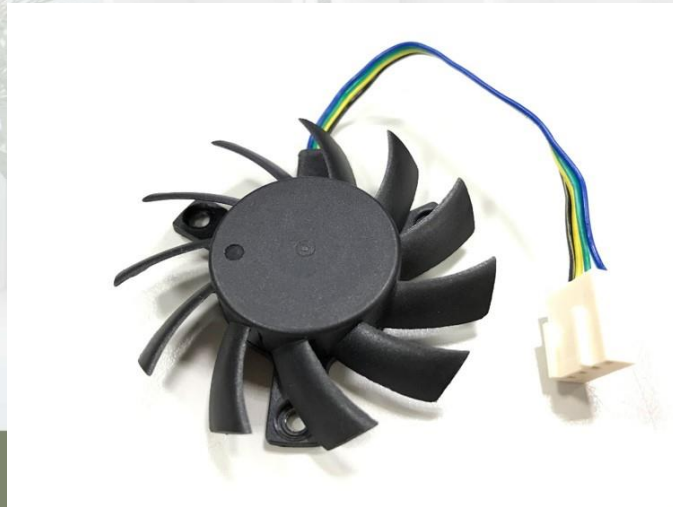


QSW-M2108R-2C Device Mylar



Optimized thermal design & quality components

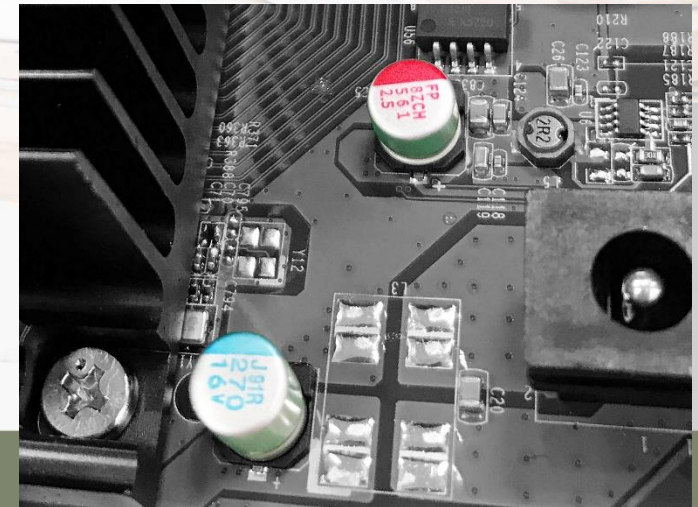
PWM double ball bearing fan



Large conductive and directive heatsink

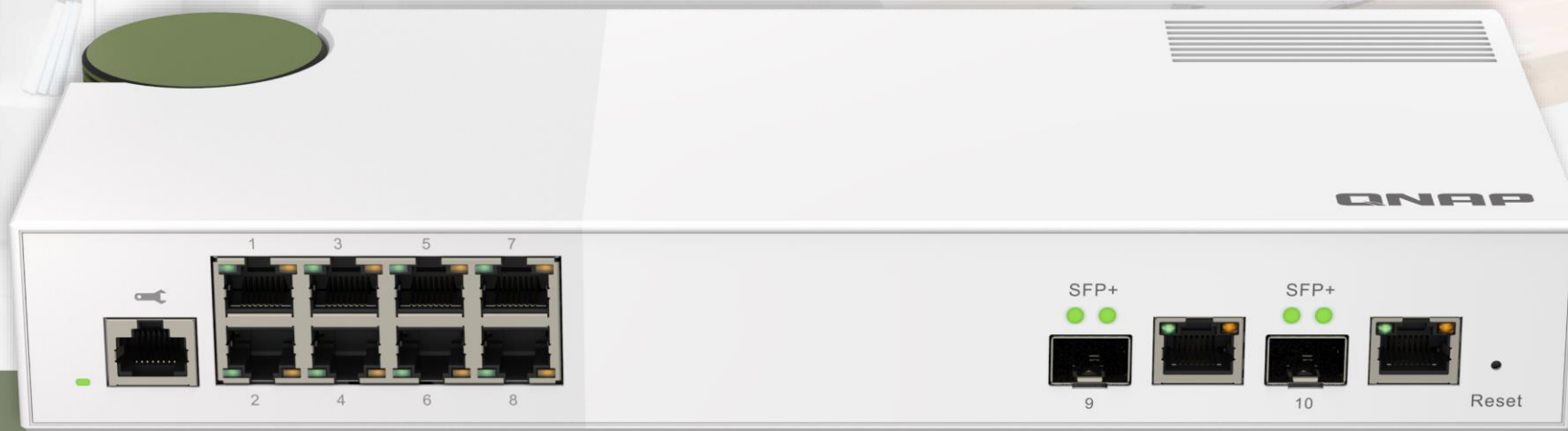


All solid capacitors



Refined design for elegant desktop placement

- Two kind of surface cover design · split 2.5GbE and 10GbE area.
- With dark green power adaptor component · take lead office network not only flexibility of 2.5/10GbE, also shows modern and fashion design.



New rack mount kit



Single QSW-M2108R-2C install in 1U space of rack

Two QSW-M2108R-2C install in 1U space of rack



Note1: QSW-M2108R-2C only

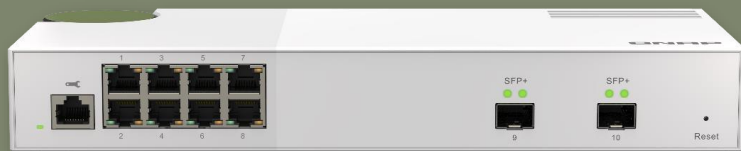
Note2: Requires separate 2-in-1U rackmount kit. Please visit <https://shop.qnap.com>.

QSW-M2108 Software highlights

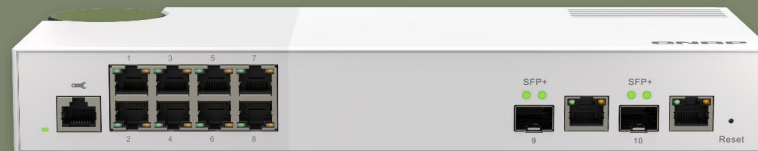
QSW-M2108R-2C



QSW-M2108-2S



QSW-M2108-2C



QSW-M2108R-2C



Easy to use GUI design

- Rich functions and easy to use.
- Straightforward web design lets user realize the setup logic quickly.

The image displays three overlapping screenshots of the QSS Management web interface, demonstrating its user-friendly design and rich functionality.

Overview Screenshot: Shows the main dashboard with a sidebar menu on the left containing options like Overview, Port Management, VLAN, Link Aggregation, RSTP, LLDP, IGMP Snooping, ACL, and QoS. The main content area includes a 'Port Status' section with a visual representation of ports (5G and 1G) and a 'Port Traffic' section with a line graph showing current traffic (0 Mbps).

Port Management Screenshot: Focuses on the 'Port Management' section, showing a 'Dashboard' with 'Device information' (Port Status) and 'Current Port status' (Online: 2 port, Offline: 10 port, Enable: 12 port, Disable: 0 port). Below this is a table for 'Port Configuration' with columns for Port, State, and Speed.

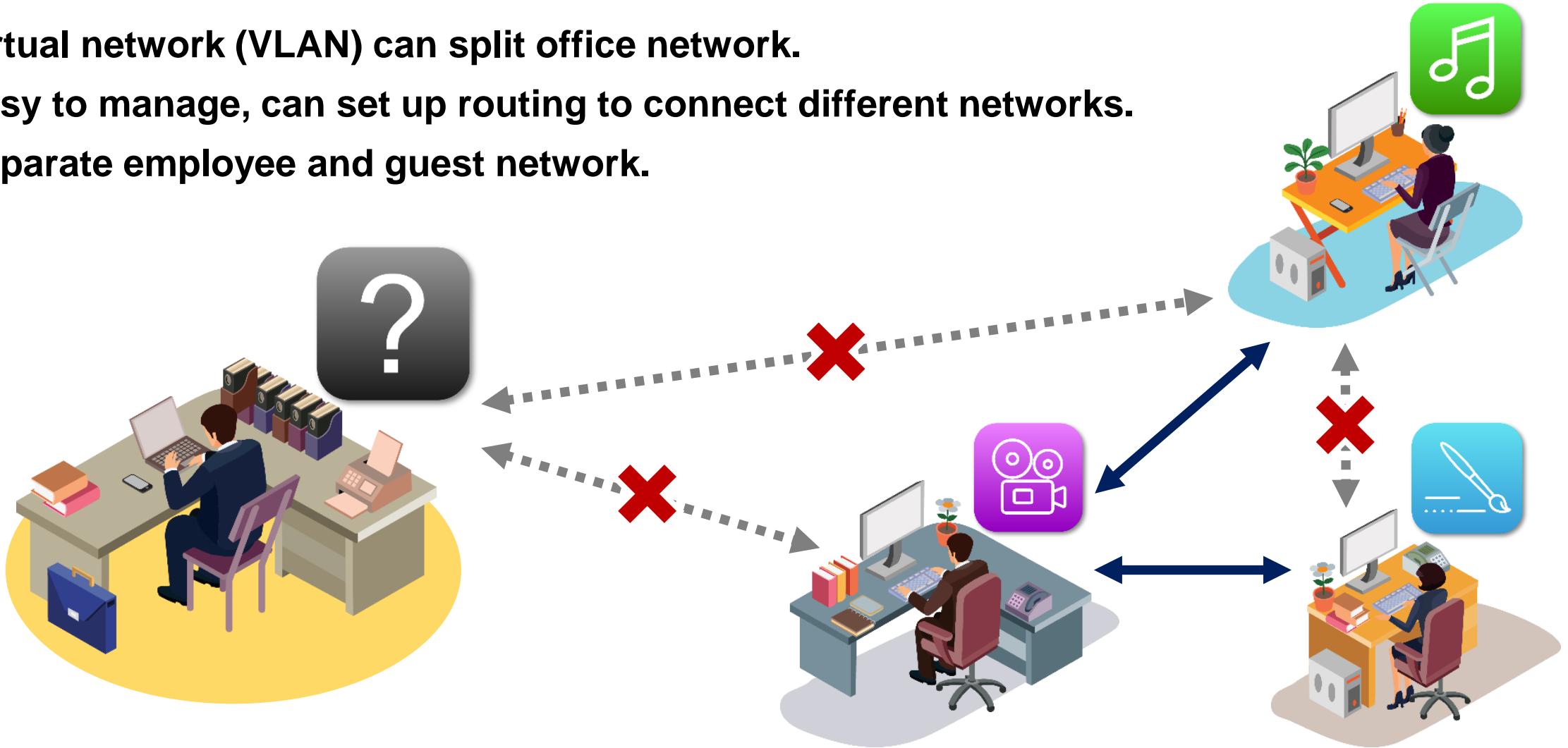
| Port | State | Speed |
|------|-------|-------|
| 10 | On | Auto |
| 11 | On | Auto |
| 12 | On | Auto |

VLAN Screenshot: Shows the 'VLAN' configuration page with a 'Dashboard' section explaining VLANs. It includes a table for adding VLANs with columns for VLAN ID and Port (1-12). A 'VLAN' modal window is open on the right, providing a step-by-step guide for configuration:

- Step 1. Click "Add VLAN" to start a VLAN configuration.
- Step 2. Set "VLAN ID" from number 2-4000, the ID number must NOT be repeated.
- Step 3. Choose the port member(s) of the VLAN.
- Step 4. Mark which port members are tagged if necessary.
- Step 5. Click "Save" to complete the configuration.
- Step 6. You may click "[edit]" to edit the configuration or "[delete]" to delete it.

Split office network into different area

- Virtual network (VLAN) can split office network.
- Easy to manage, can set up routing to connect different networks.
- Separate employee and guest network.



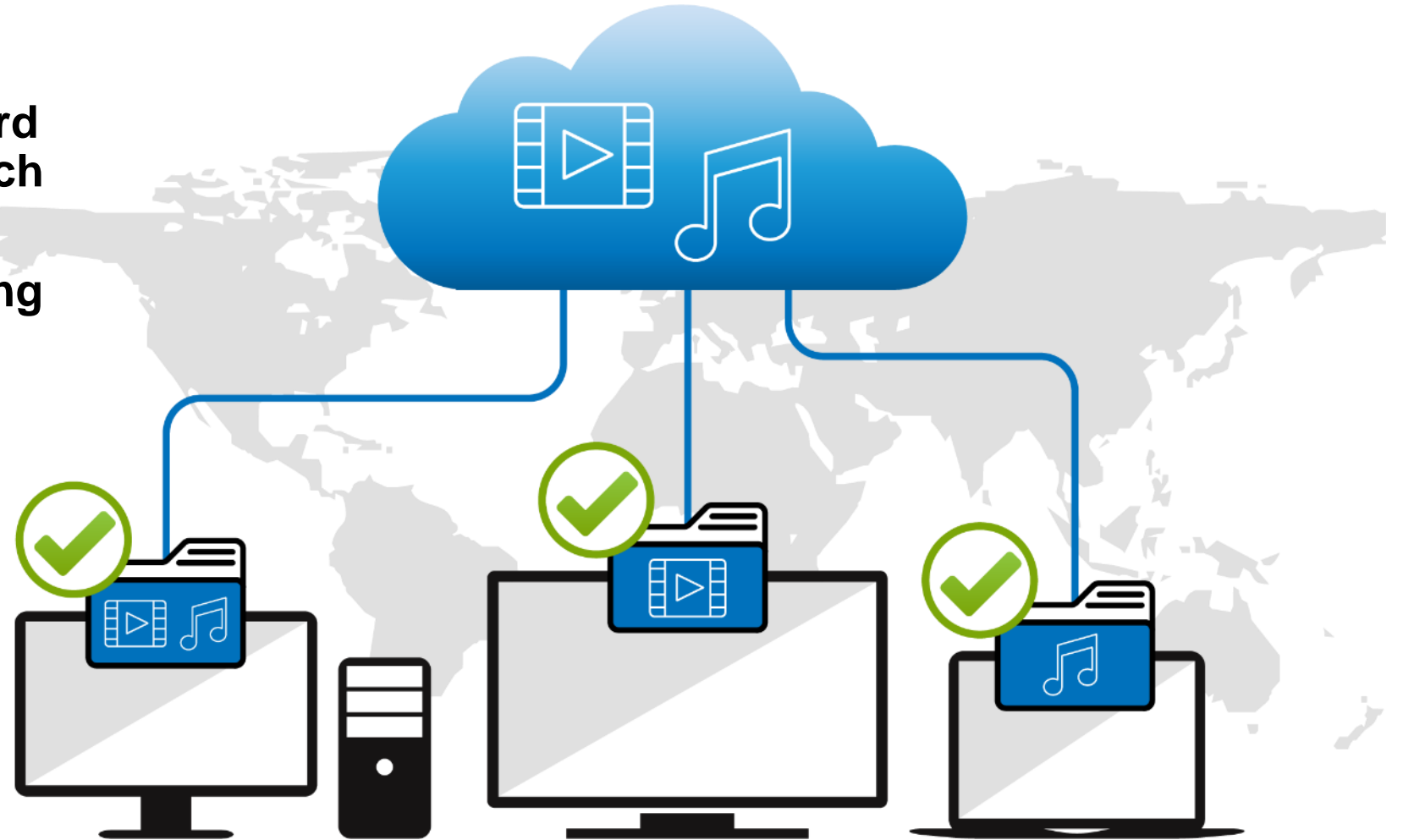
Raise network speed with multiple network cable

- Link Aggregation (LAG) can aggregate multiple network cable into a single logical network.
- Quick and direct to have a network more than 10GbE.



Deliver streaming to dedicate device specifically

- IGMP snooping can record streaming request for each end point device.
- Avoid packet lost or wrong stream broadcast.



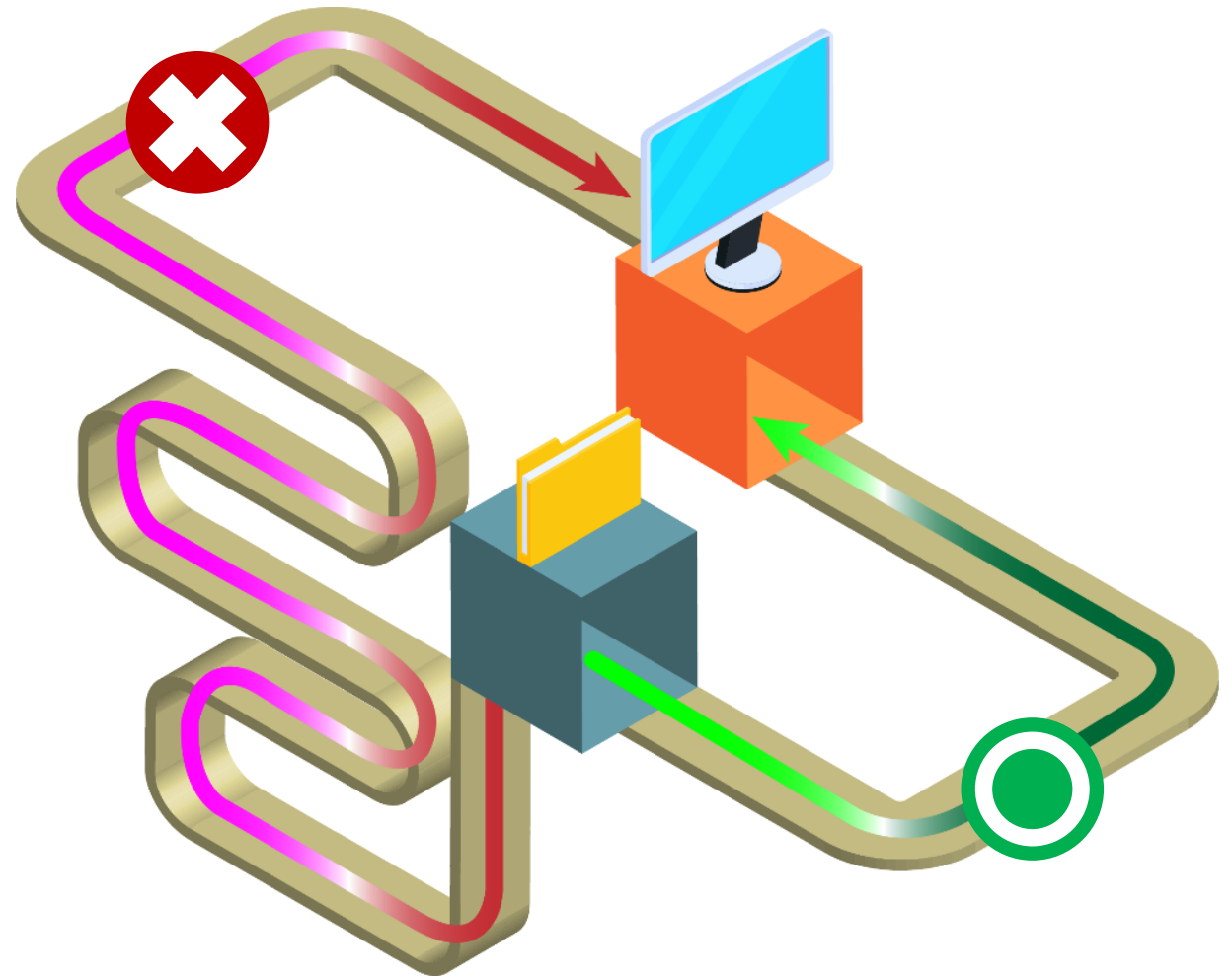
Firmware version live check



- **One-click update.**
- **Firmware version auto detect.**
- **Manual update**

Always looking for best routing

- Rapid Spanning Tree Protocol (RSTP) live check best networking route.
- Always using most effective route for data transfer.



QSW-M2108 have more

Ethernet flow control (IEEE 802.3x) managing packet transfer, avoid packet lost.



Link Layer Discovery Protocol (LLDP), easy to know which devices are conneted.



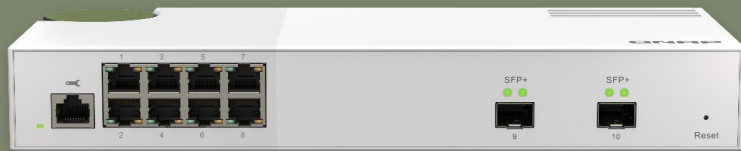
Energy-Efficient Ethernet (IEEE 802.3az) and fan speed control, managing power consumption.



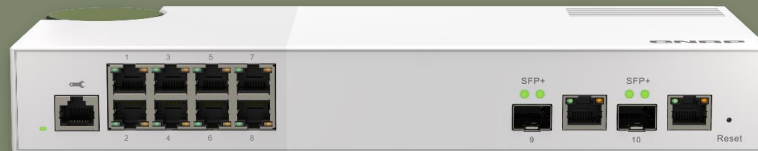
Perfectly integrated with QNAP high speed products



QSW-M2108-2S



QSW-M2108-2C



QSW-M2108R-2C



QNAP 2.5GbE teams give you perfect experience of high speed network

Professional high efficiency network storage



Intel Celeron J4125 4 cores 2.0GHz, 2 x 2.5GbE, PCIe extend M.2 NVMe/ SATA SSD or 10GbE



TS-653D

TS-453D

TS-253D

Annapurna Labs AL-314 4 cores 1.7GHz, 1 x 10GbE SFP+, 1 x 2.5GbE



TS-431X3

Digital home with high quality of streaming

Annapurna Labs AL-314 4 cores 1.7GHz, 1 x 2.5GbE



TS-231P3

TS-431P3

Tablet NAS with embedded 2.5/5/10GbE

With **10GbE BASE-T**



TVS-h1688X / TVS-h1288X



TVS-872XT / TVS-672XT /
TVS-472XT



TS-832PX



TS-431X3
10GbE + 2.5GbE

With **5GbE BASE-T**



TVS-872N / TVS-672N



TS-h886 / TS-h686



TS-653D / TS-453D /
TS-253D



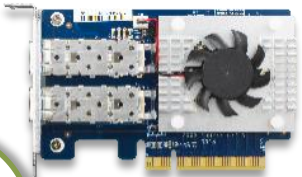
TS-431P3 / TS-231P3

With **2.5GbE BASE-T**

Network extention : rich PCIe network extension card

10GbE Series

QXG-10G2SF-CX4



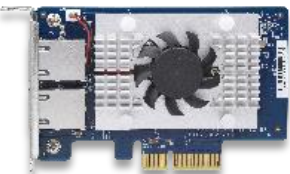
2 x SFP+

LAN-10G2T-X550



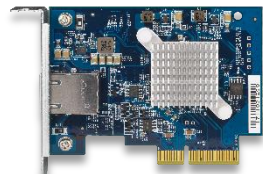
2 x RJ45

QXG-10G2T-107



2 x RJ45

QXG-10G1T



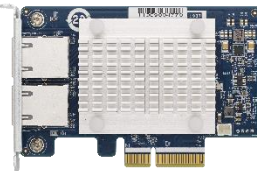
1 x RJ45

5GbE Series

QXG-5G Family



1 x RJ45



2 x RJ45



4 x RJ45

2.5GbE Series

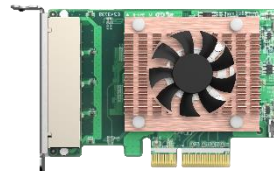
QXG-2.5G Family



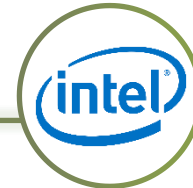
1 x RJ45



2 x RJ45



4 x RJ45



Network extension : hand carry adaptor

QNA-UC5G1T



USB 3.2 Gen 1

- RJ45 NBASE-T
- 4 speed: 5G/2.5G/1G/100M

USB Plug and play upgrade your PC/Laptop to 10GbE high speed network

<https://www.qnap.com/en/product/qna-uc5g1t>

QNA-T310G1T



Thunderbolt 3

- 10GbE NBASE-T port
- 5 speed: 10G/5G/2.5G/1G/100M



USB Plug and play upgrade your PC/Laptop to 10GbE high speed network, through Thunderbolt

<https://www.qnap.com/en/product/qna-tb-10gbe>

Full
2.5GbE x **10GbE**
 Managed

QSW-M2108 Series

is your best choice!

Copyright© 2020 QNAP Systems, Inc. All rights reserved. QNAP® and other names of QNAP Products are proprietary marks or registered trademarks of QNAP Systems, Inc. Other products and company names mentioned herein are trademarks of their respective holders.

