QNAP

# QSW-2104 Series

## 2.5GbE/10GbE Unmanaged Switch

QSW-2104-2S

QSW-2104-2T

Plug & play, suited for Home and SOHO environment

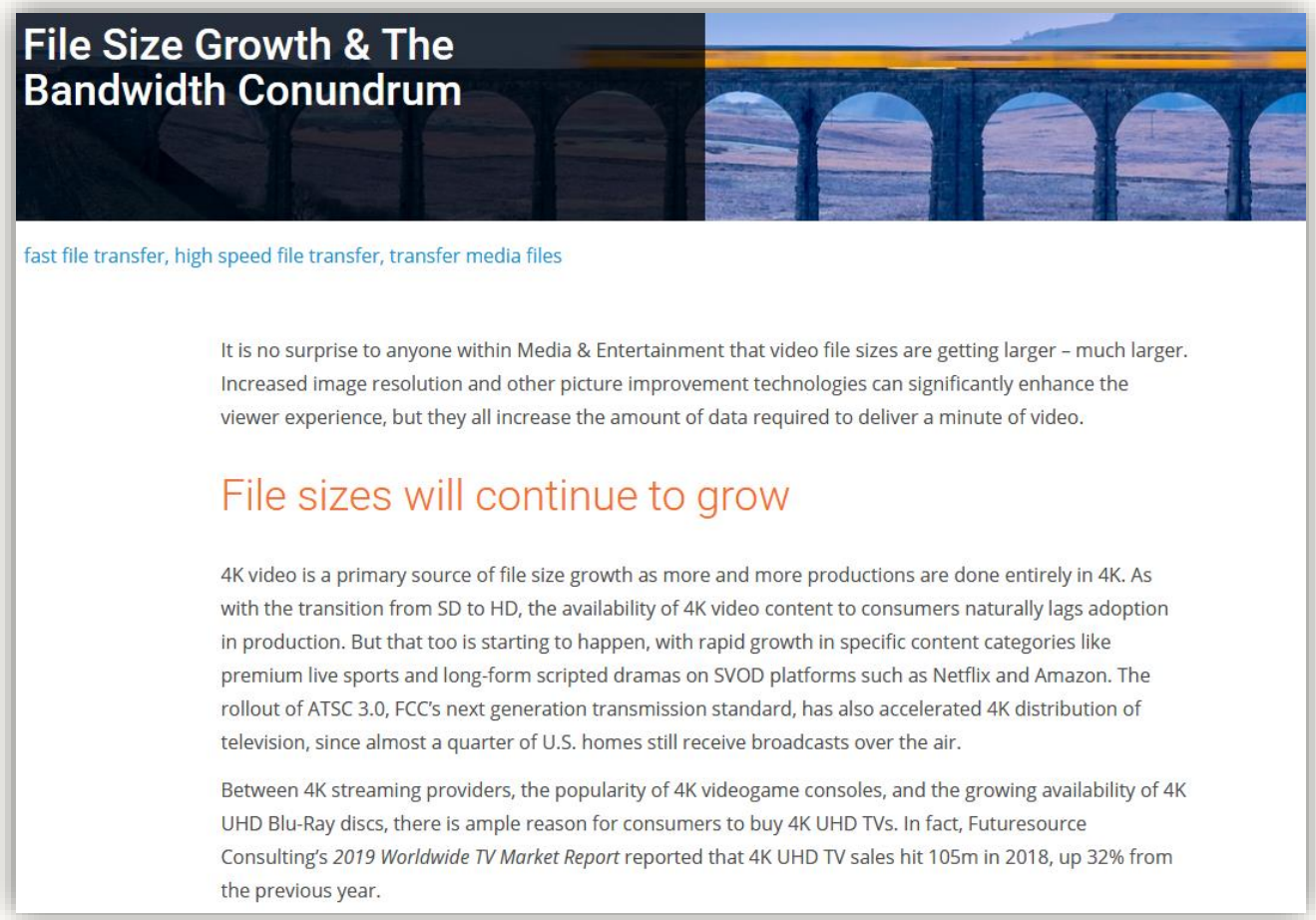
# The demand of network speed is getting higher at home or office

QSW-2104-2S

QSW-2104-2T

# Faster network speed is necessary for large data size files transferred

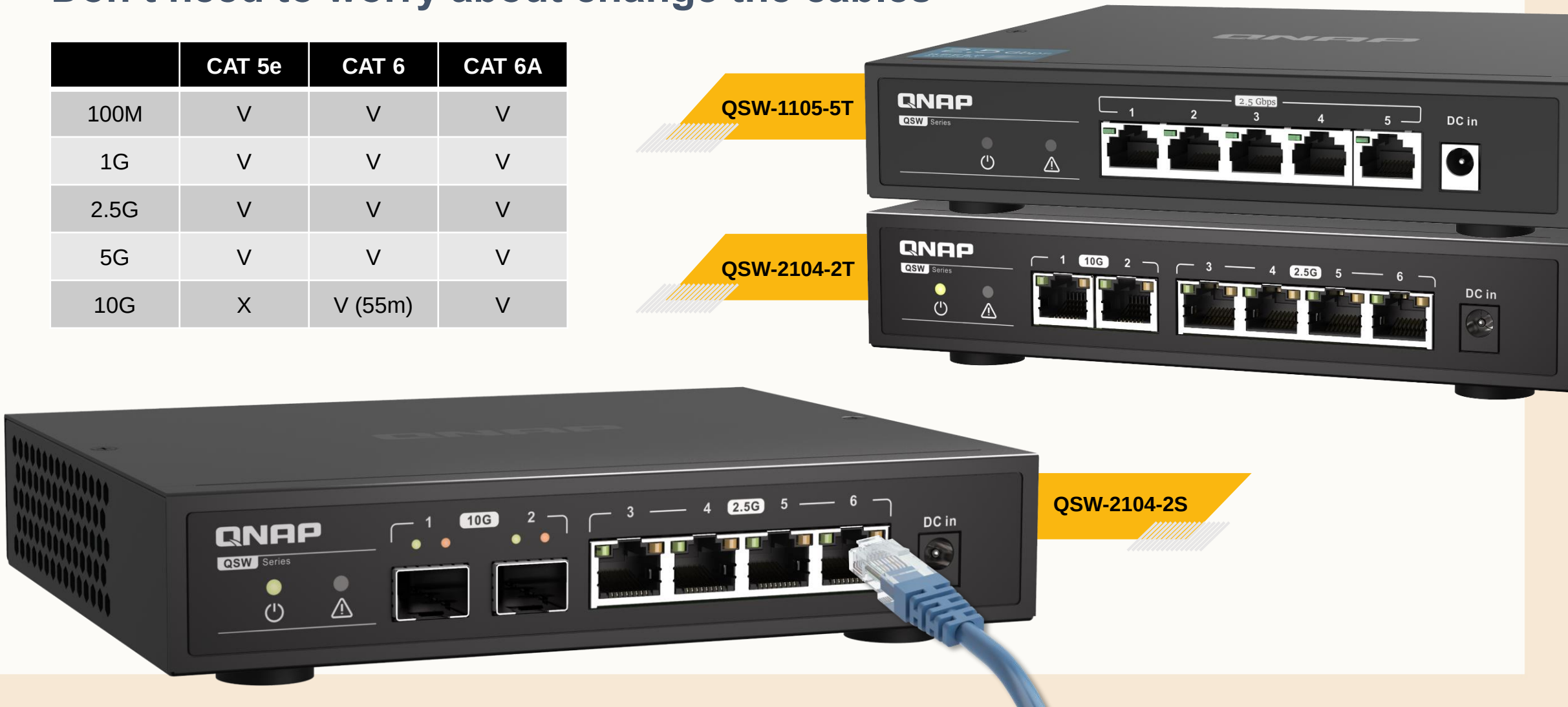
- Network efficiency will get worse without high network speed if file sizes getting larger.



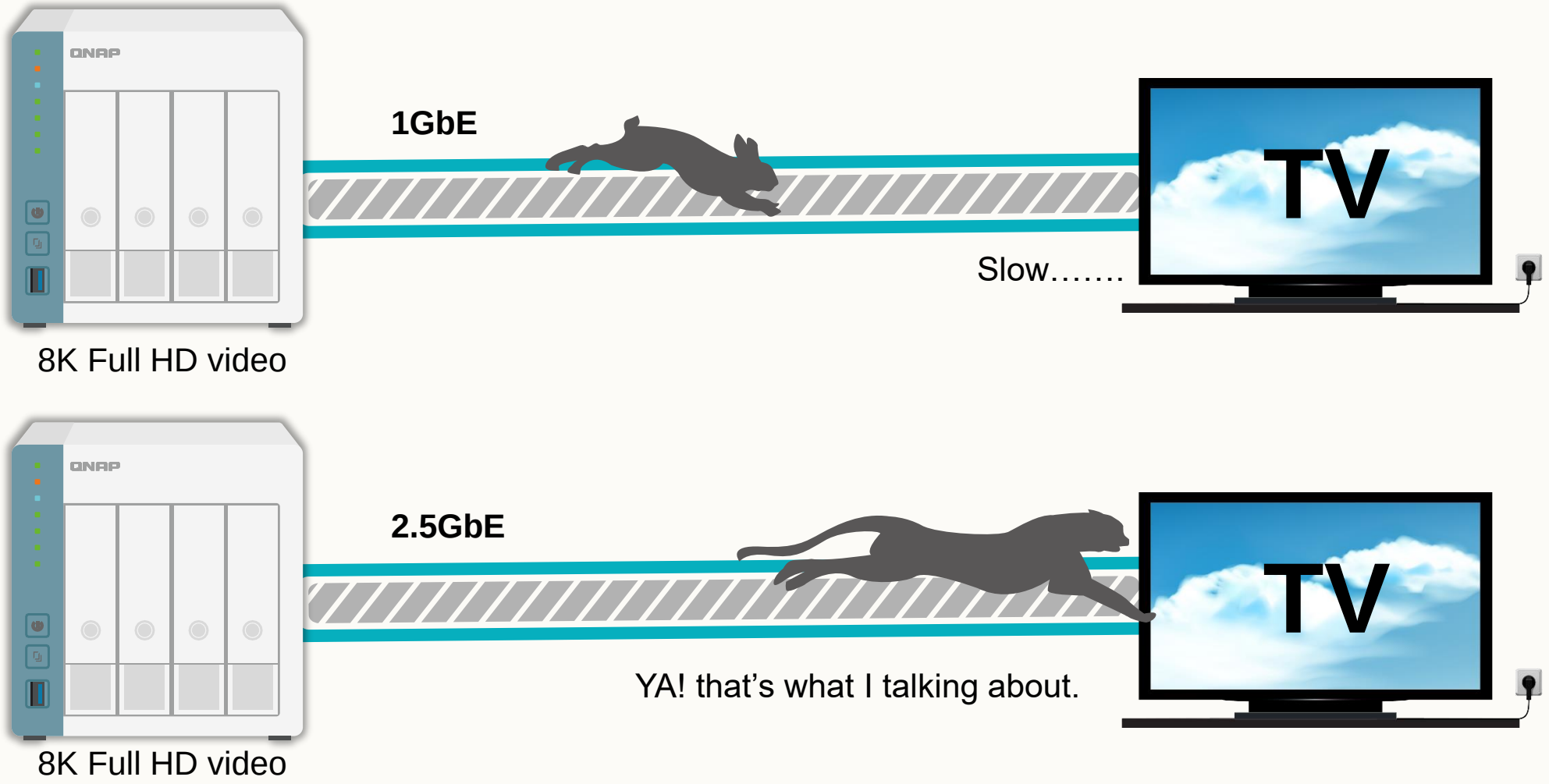
# Cat5e cable can be used directly for 2.5GbE network speed

- Don’t need to worry about change the cables

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



# Getting faster without getting more expensive, why don’t you upgrade to 2.5GbE?

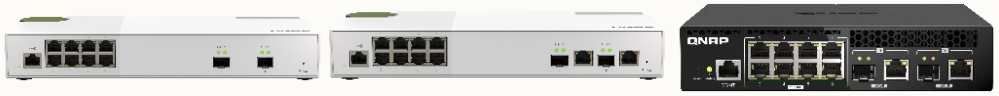


# The profolio of QNAP 2.5GbE switch for current

Managed

Unmanaged

## QSW-M2108 Series



QSW-M2108-2S

QSW-M2108-2C

QSW-M2108R-2C

NEW products

## QSW-2104 Series

QSW-2104-2S

QSW-2104-2T

QSW-1105-5T

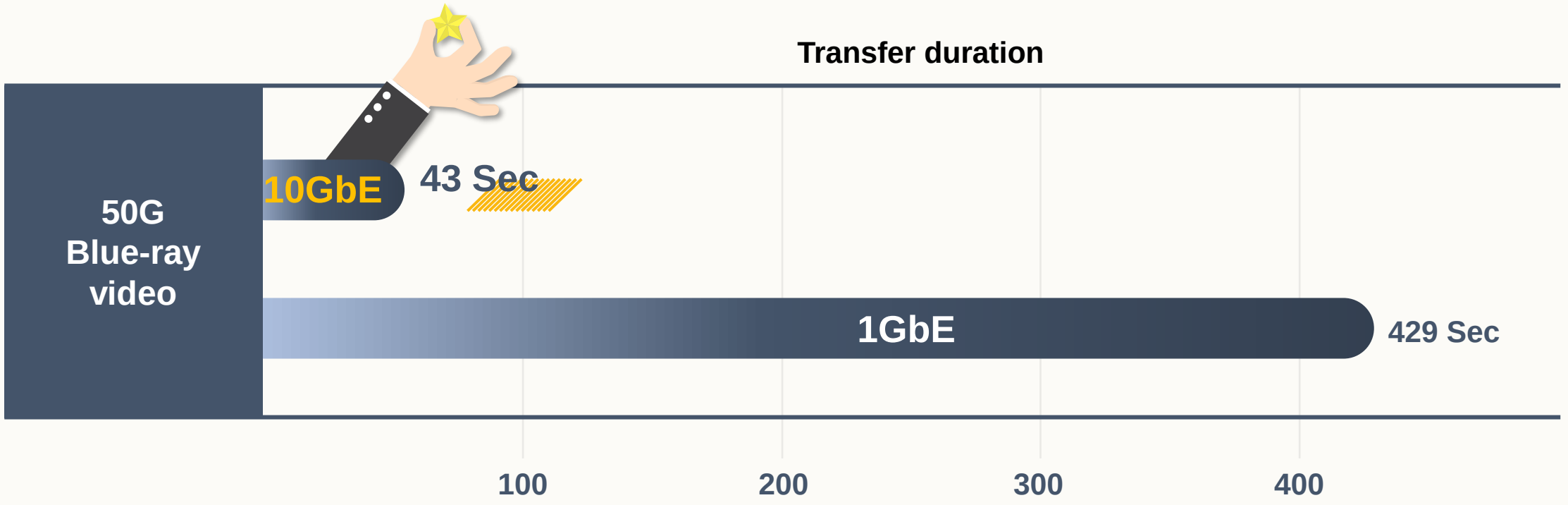
2.5GbE+10GbE

Full 2.5GbE

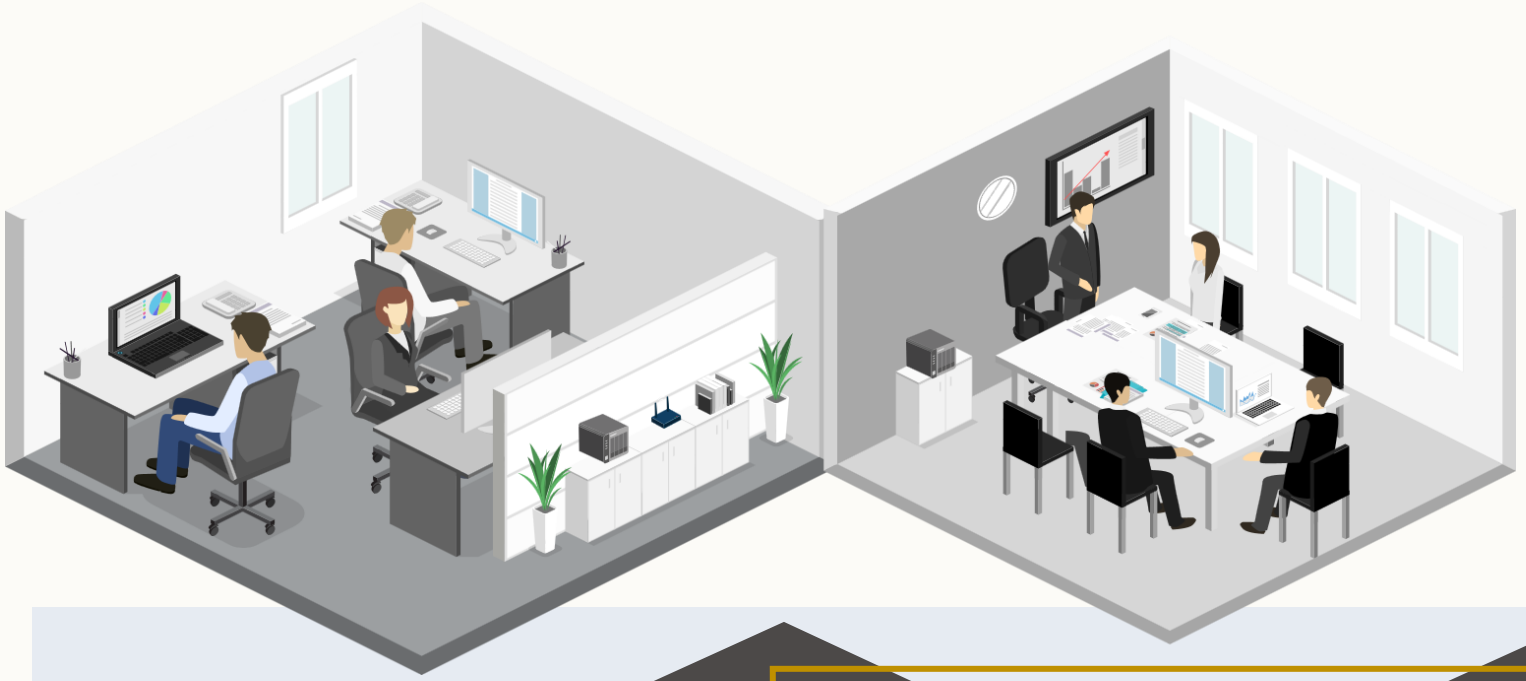
# Why we also need 10GbE on the 2.5GbE switch?

# Can fully upgrade our backbone network speed!

**10GbE lead transmit to next level**

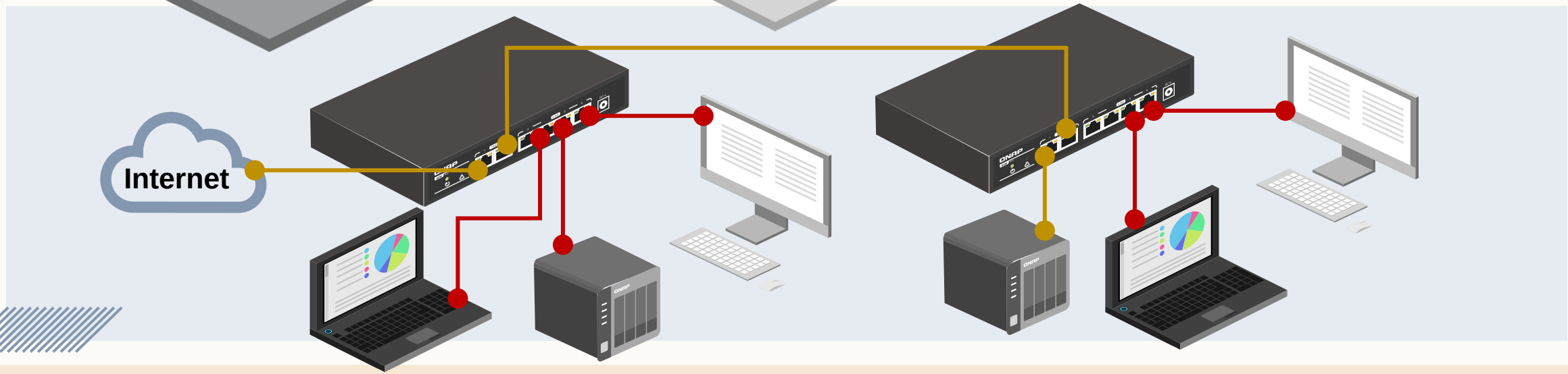


# SOHO/SMB need to have 10GbE backbone



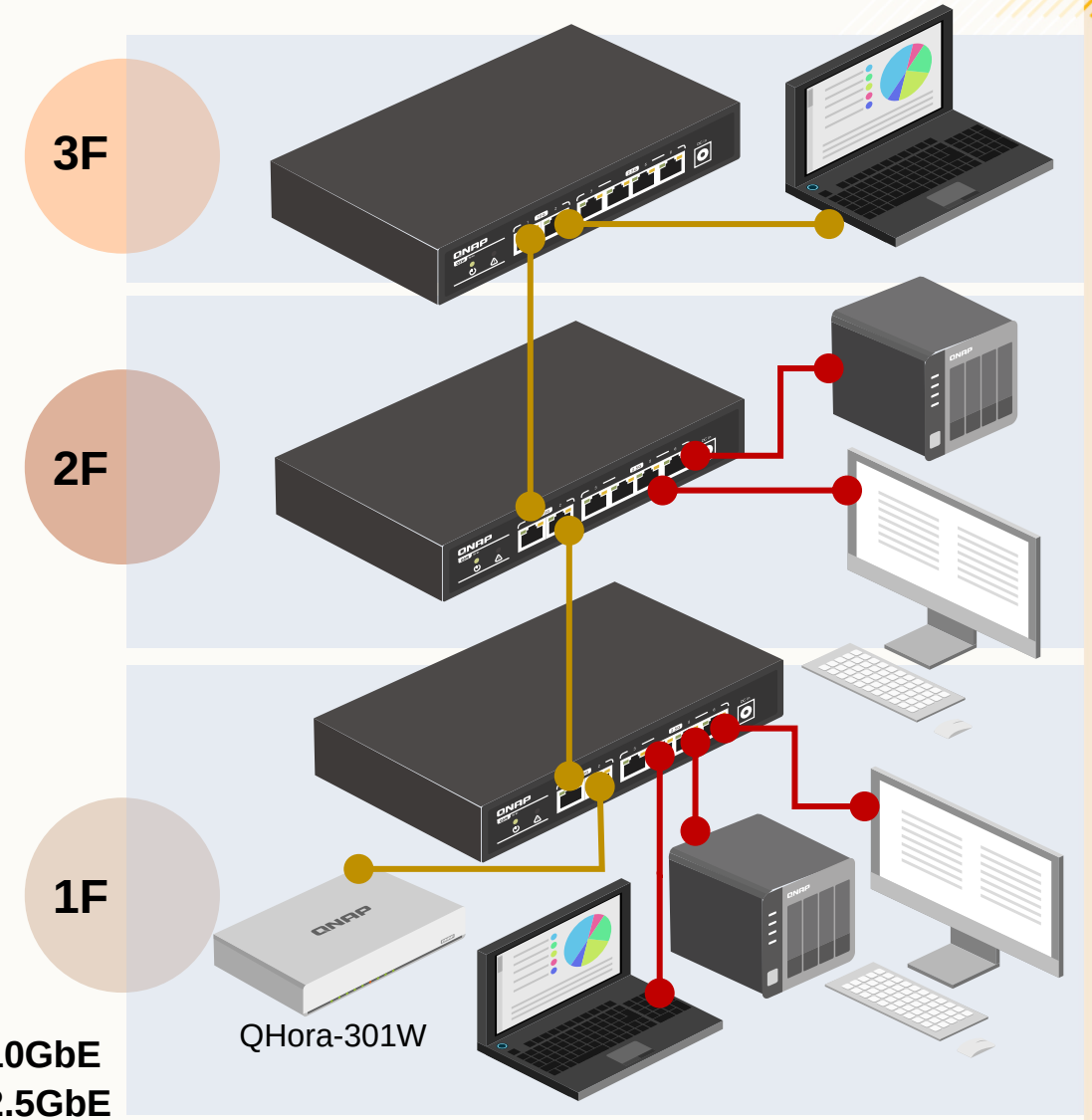
- Edge speed can upgrade from 1GbE to 2.5GbE
- Uplink goes to 10GbE
- Upgrade backbone to 10GbE
- Connected 10GbE NAS to extend 10GbE port
- Plug and play

**10GbE**
**2.5GbE**



# Upgrade your home backbone to 10GbE

- Edge speed can upgrade from 1GbE to 2.5GbE
- 10GbE NAS or PC can connect and enjoy high network speed
- In series of QSW-2104 increased the connection to edge devices
- Plug and play
- Compact housing let you can put into distribute box at home easily



# How do we choose the unmanaged 2.5GbE solutions?

# The number of network devices is not so much and neither have 10GbE demanded

- Can use QSW-1105-5T already on the market

QSW-1105-5T

# With 10GbE demanded or multiple QSW usaged

- QSW-2104 series will be your best choice
  - 1GbE-->2.5GbE and 10GbE
  - Two connector options of 10GbE, RJ45 and SFP+
  - Unmanaged

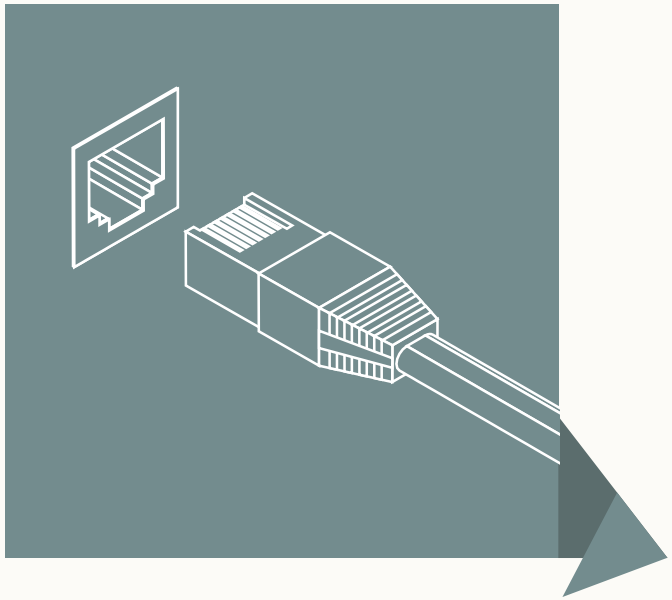
QSW-2104-2S

QSW-2104-2T

# QSW-2104 series easily brings you upgrade to 2.5GbE and 10GbE at the same time

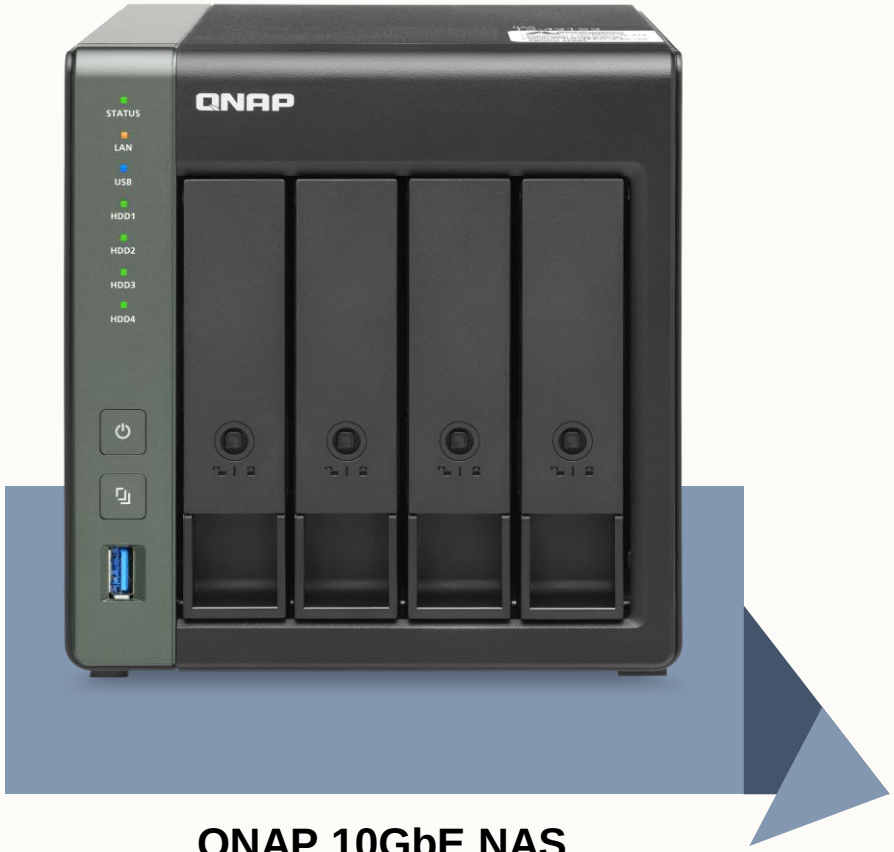
Have 2.5GbE and 10GbE at the same time

Two kind of connector options for 10GbE

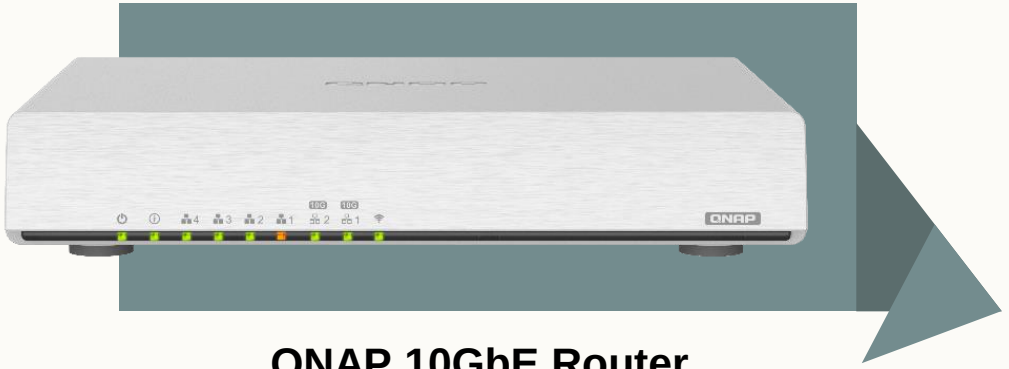


Plug and play without any configurations

# To go with these 10GbE devices




QNAP 10GbE NAS

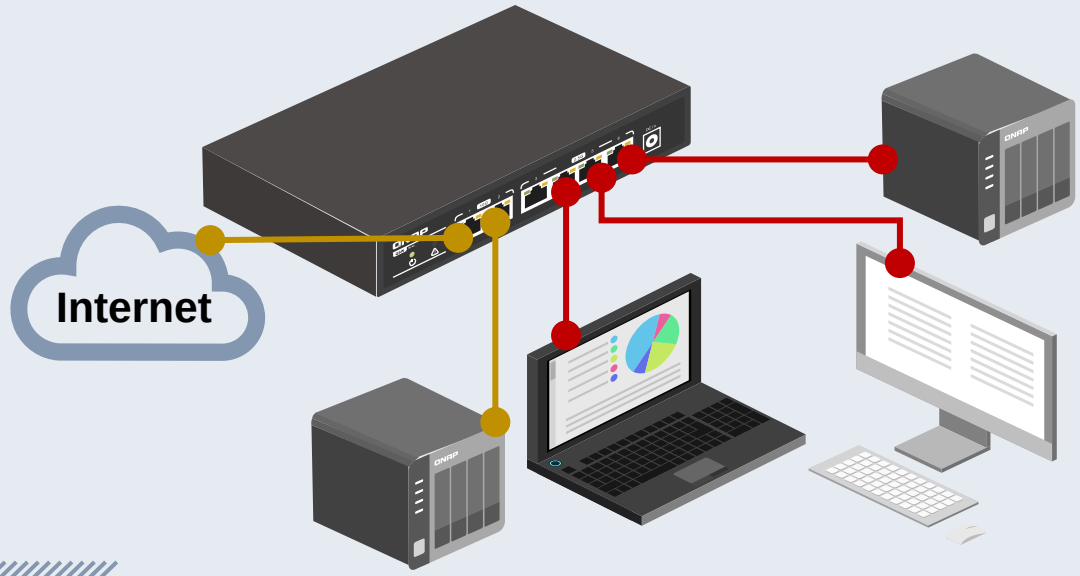



QNAP 10GbE Router
QHora-301W

QNAP 10GbE NIC

# Single QSW-2104 in SOHO/SMB network

- Edge speed can upgrade from 1GbE to 2.5GbE
- Uplink goes to 10GbE
- Connected 10GbE NAS to extend 10GbE port
- Plug and play

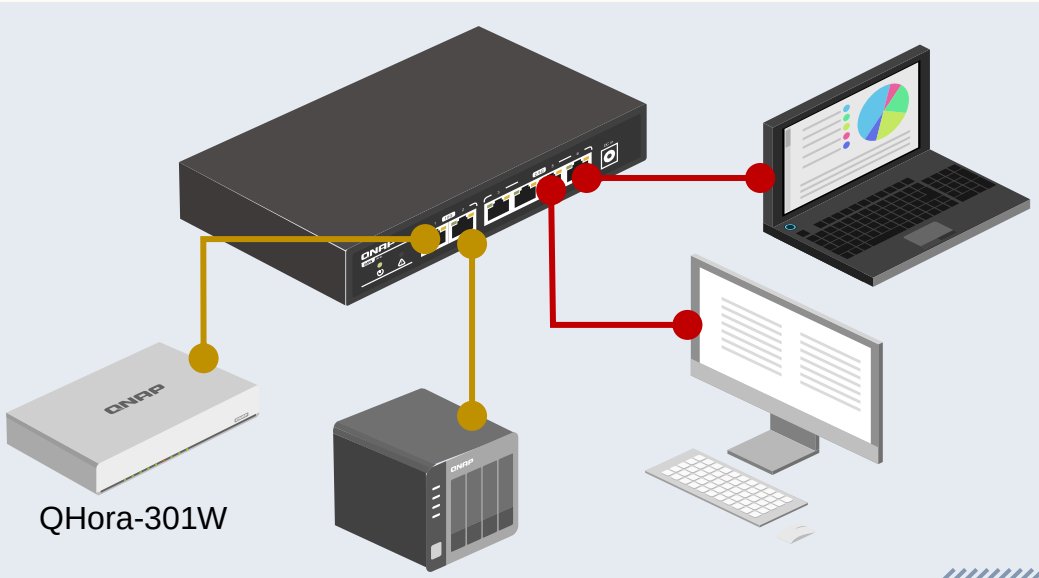



10GbE

2.5GbE

# Single QSW-2104 in at home

- Edge speed can upgrade from 1GbE to 2.5GbE
- 10GbE NAS or PC can connect and enjoy high network speed
- Plug and play
- Compact housing let you can put into distribute box at home easily




**10GbE**

**2.5GbE**

# HW spec

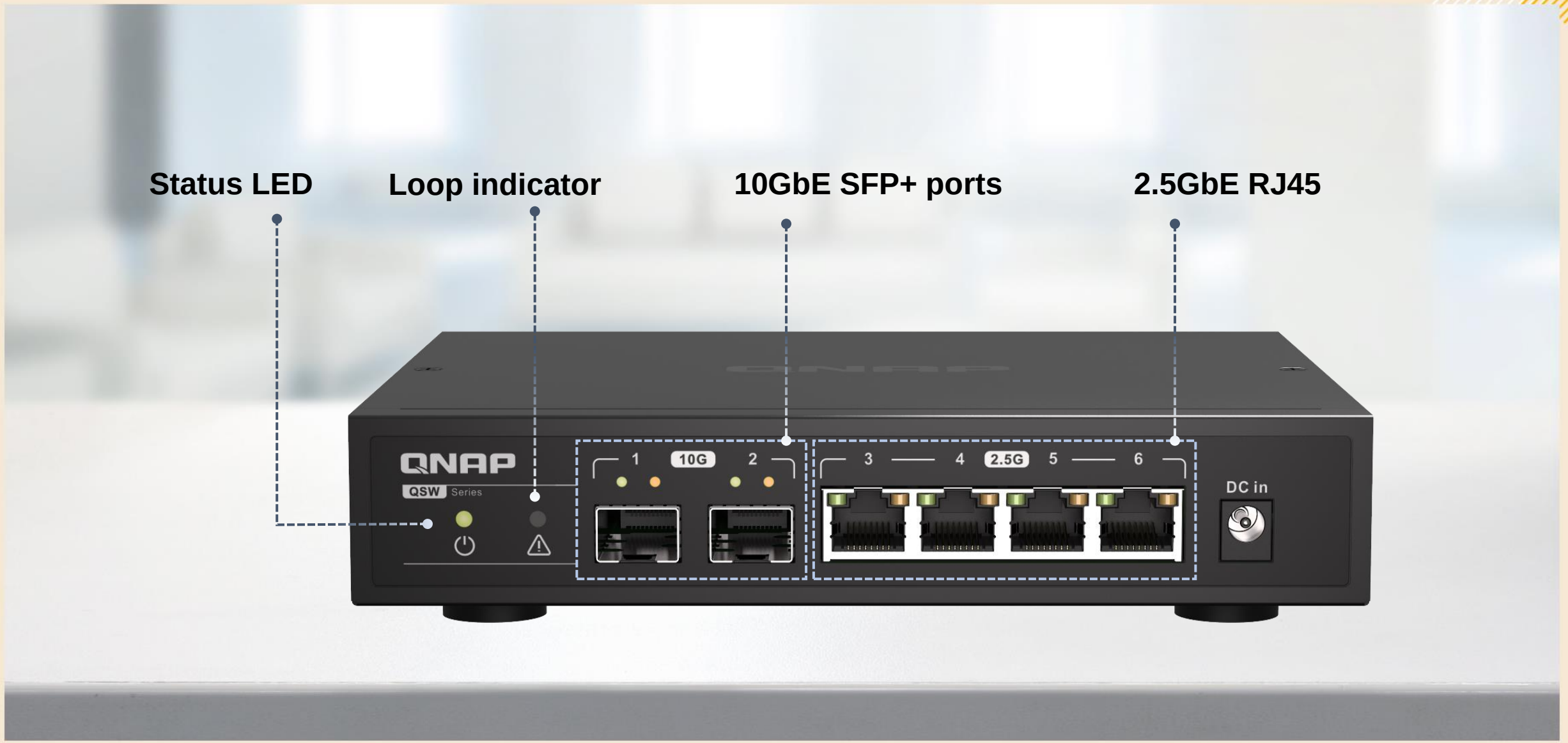
QSW-2104-2S

QSW-2104-2T

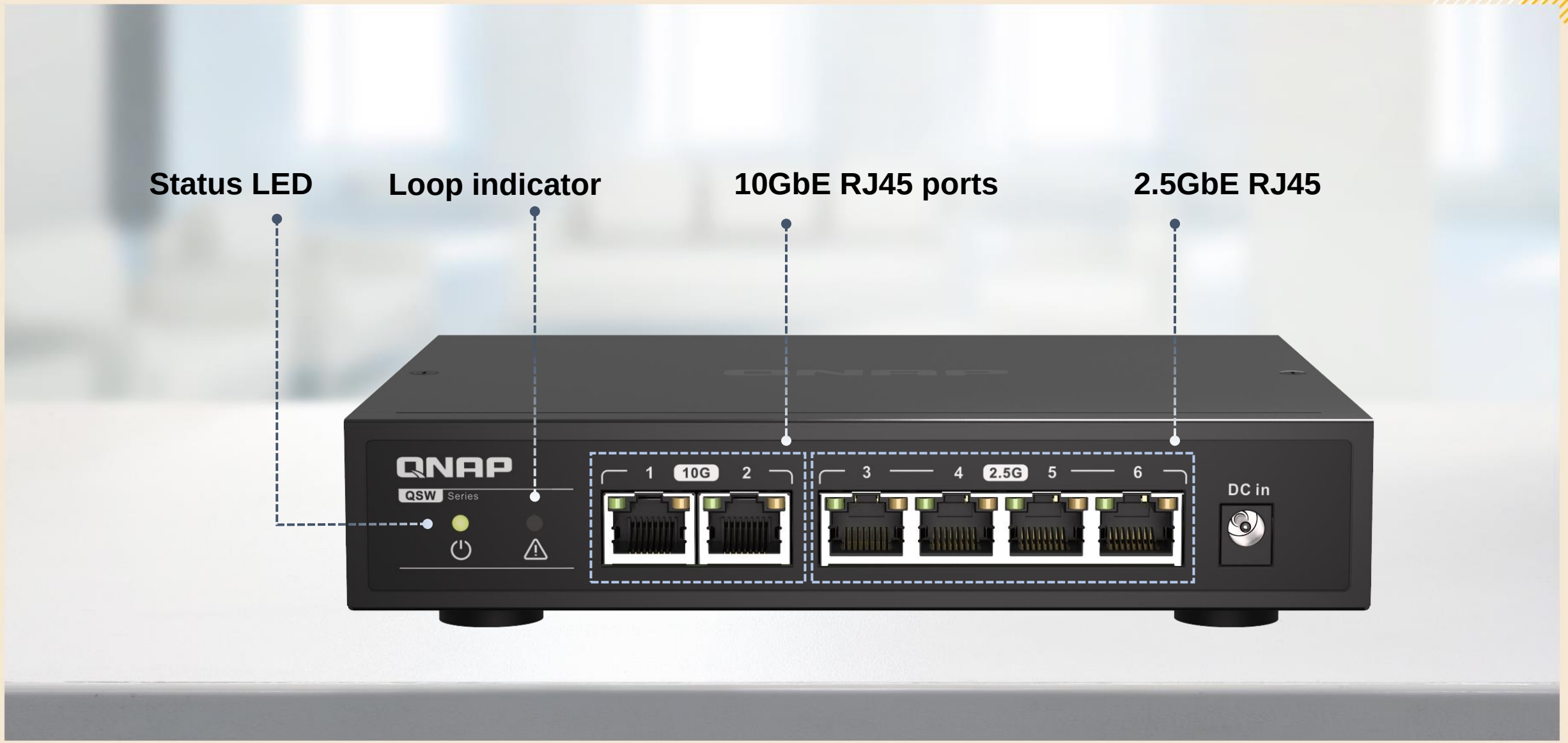
# HW comparism

| | QSW-2104-2S | QSW-2104-2T | QSW-1105-5T |
|---|---|---|---|
| 2.5GbE RJ45 | 4 | 4 | 5 |
| 10GbE SFP+ | 2 | - | - |
| 10GbE RJ45 | - | 2 | - |
| Fan | Fan less | Fan less | Fan less |
| Loop detection | Yes | Yes | Yes |

# QSW-2104-2S HW Panel



# QSW-2104-2T HW Panel



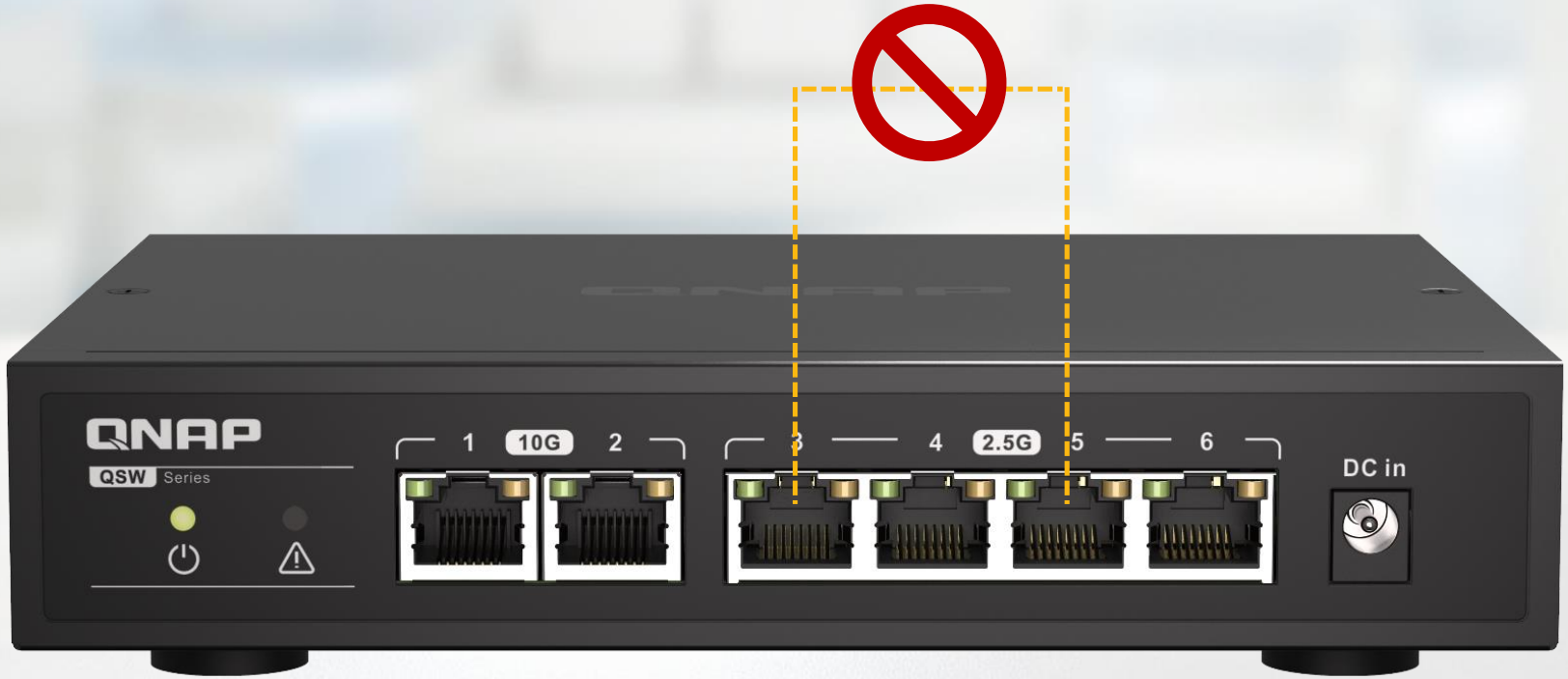
# Fan less design, without noising

- Desktop with fan less presenting high quality of housing design
- Enjoy the relax at home without any noise

# QSW-2104 have more

# Loop is not going happen on QSW-2104

- HW loop guard helps to do that, and it is usually supported on high level managed switch



# Plug and play without any configurations

- Any one can set it up

# Perfect with QNAP high network speed solution

QSW-2104-2S

QSW-2104-2T

# 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

# Embedded 2.5/5/10GbE desktop NAS

## With 10GbE BASE-T

TVS-h1688X /TVS-h1288X

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

## With 10GbE SFP+

TS-832PX

TS-431X3

10GbE + 2.5GbE

## With 5GbE BASE-T

TVS-872N / TVS-672N

## With 2.5GbE BASE-T

TS-h886 / TS-h686

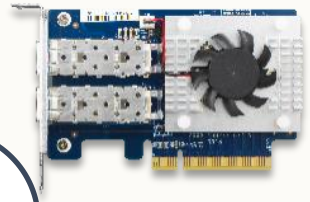
TS-653D / TS-453D / TS-253D

TS-431P3 / TS-231P3

# Network extend：rich PCIe extension card

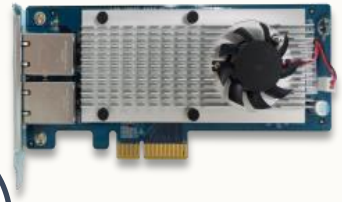
## 10GbE network extension card

### QXG-10G2SF-CX4



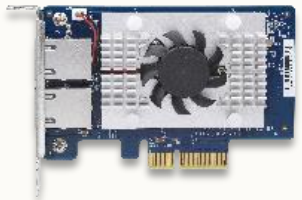
2 x SFP+

### 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 extend ：Portable network extension card

## QNA-UC5G1T

### USB 3.2 Gen 1

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

Upgrade your laptop or PC to 5GbE with portable USB dongle

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

## QNA-T310G1T

### Thunderbolt 3

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

Upgrade your laptop or PC to 10GbE with portable USB dongle by using Thunderbolt

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

# QSW-2104 Series

## 2.5GbE/10GbE Unmanaged Switch

QSW-2104-2S

QSW-2104-2T

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