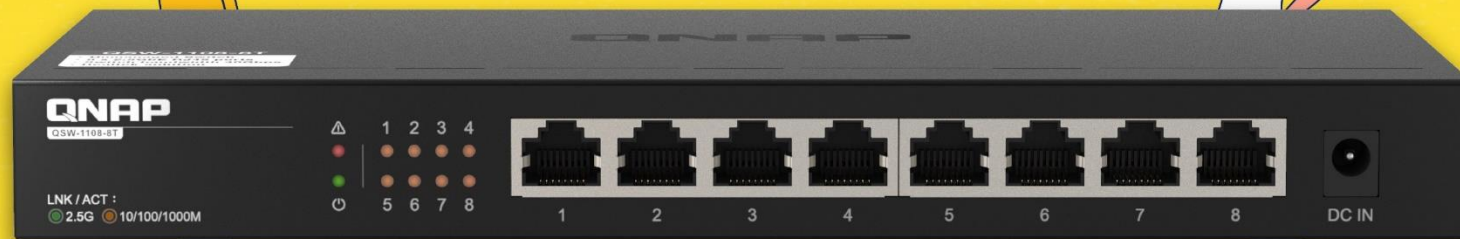


QNAP®

# QSW-1108-8T

## 8埠 2.5GbE 無網管型交換器

價格親民、隨插即用，  
現有網路佈線無痛升級 2.5GbE 高速傳輸





# 1GbE目前夠用, 以後呢?

- 越來越多設備配備2.5GbE
- 購買交換器，與其之後受限，不如一次到位2.5GbE



Netgear CM2000



TP-Link Archer AX6000



Gigabyte Z490 AORUS MASTER



Apple MacBook



Asrock Z490 Taichi



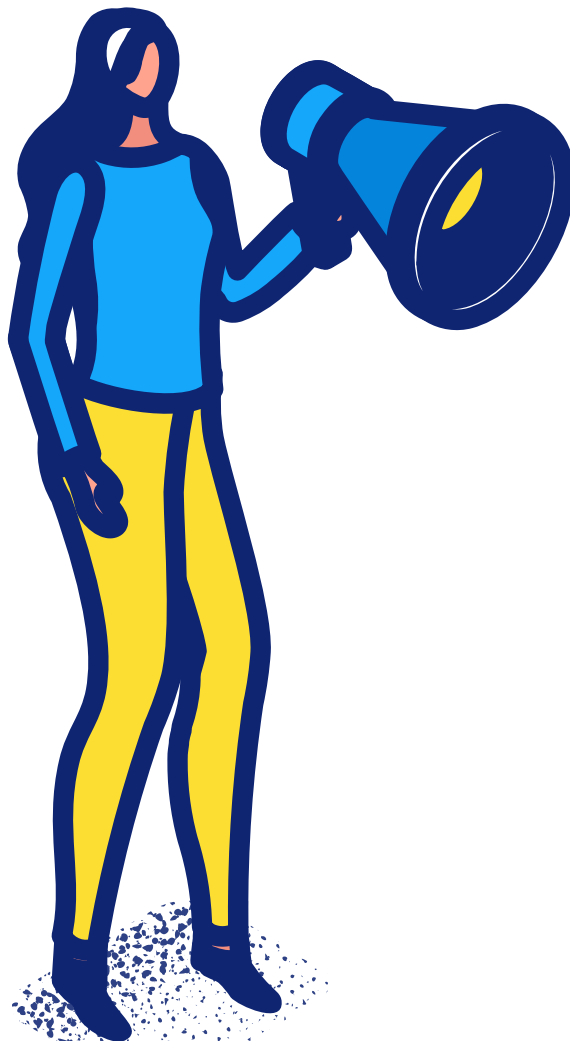
QNAP TS-431P3

QNAP TS-231P3

# 別讓交換器成為網路瓶頸



# 換交換器的考量



10GbE?



2.5GbE?



價錢?



既有的設備也要升級?

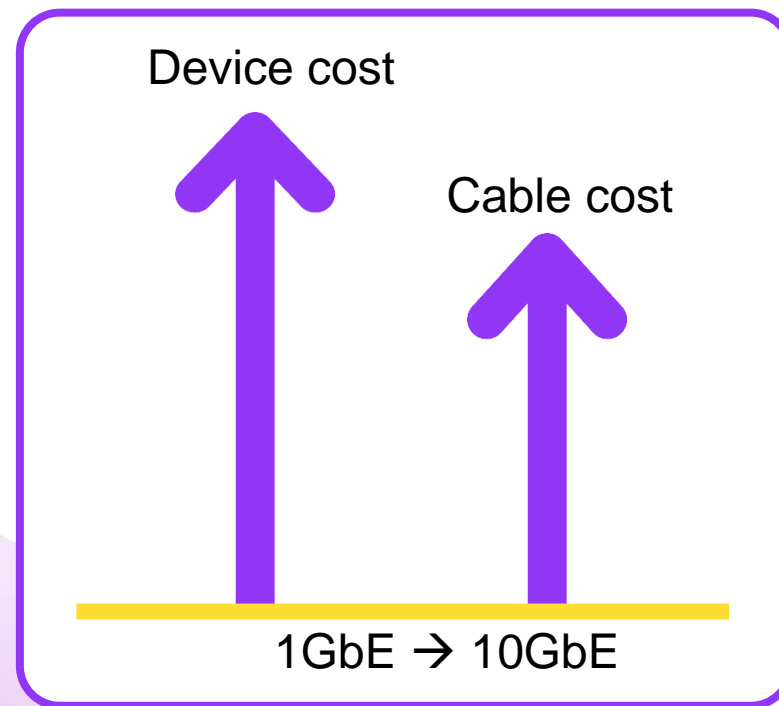
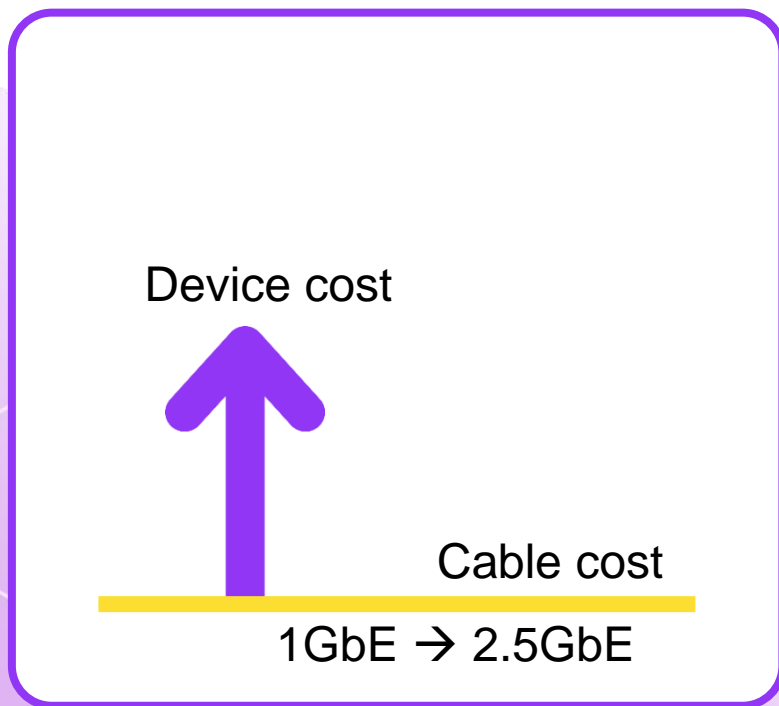


線路重拉?



# 最實惠的網速升級-2.5GbE

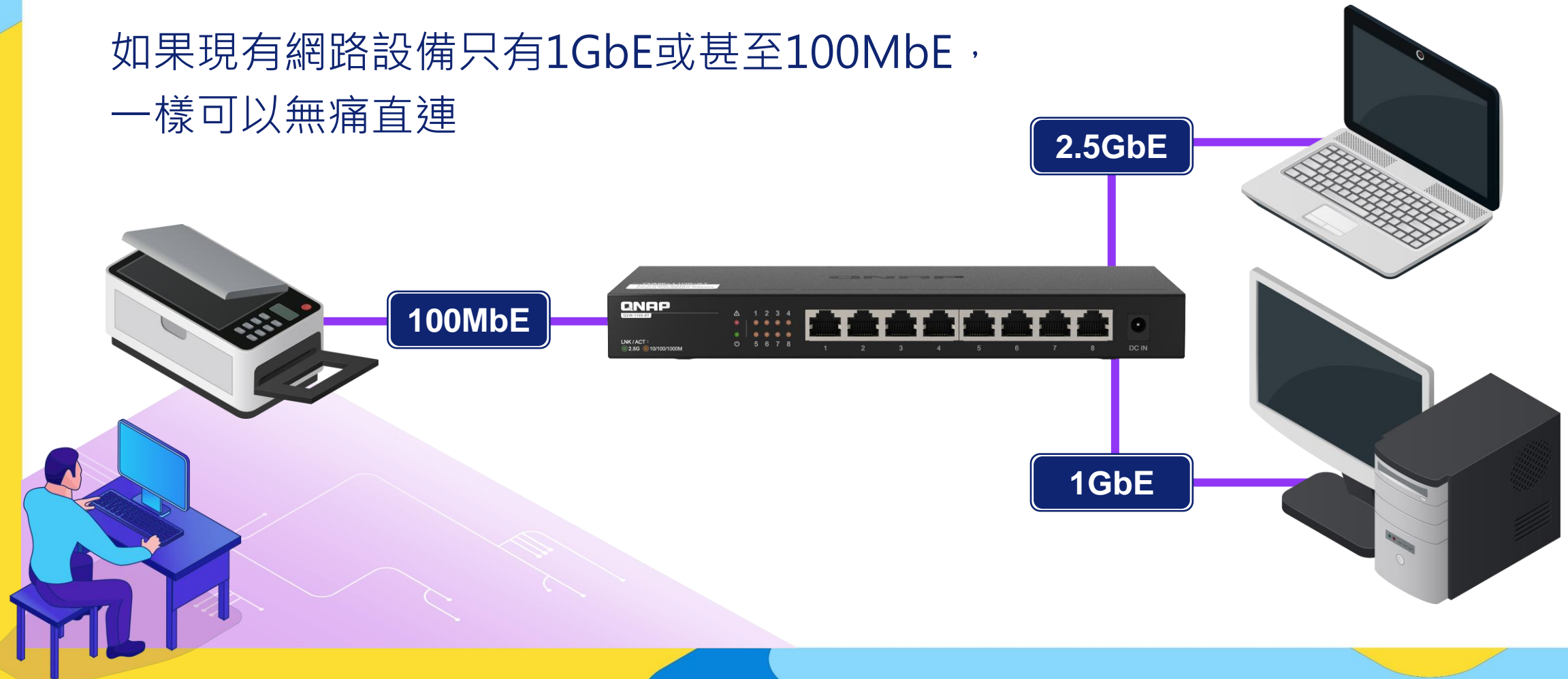
- 要花 \$\$\$ 買到 10GbE 交換器?
- 要花 \$\$\$ 升級環境網路佈線?





# 自由搭配現有網速的設備

如果現有網路設備只有1GbE或甚至100MbE，  
一樣可以無痛直連

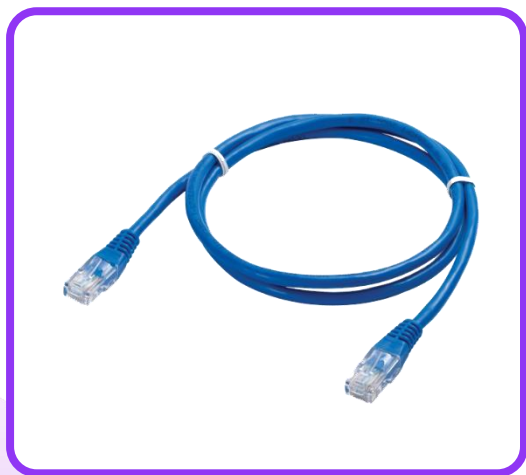




# 交換機升級了那網路線呢？



交換機都換一台了，那是不是網路線也要跟著換才有辦法把網速也提升？





# 2.5GbE是可以直接使用原本Cat5e的網路線



- 省去重新拉線佈線的麻煩

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



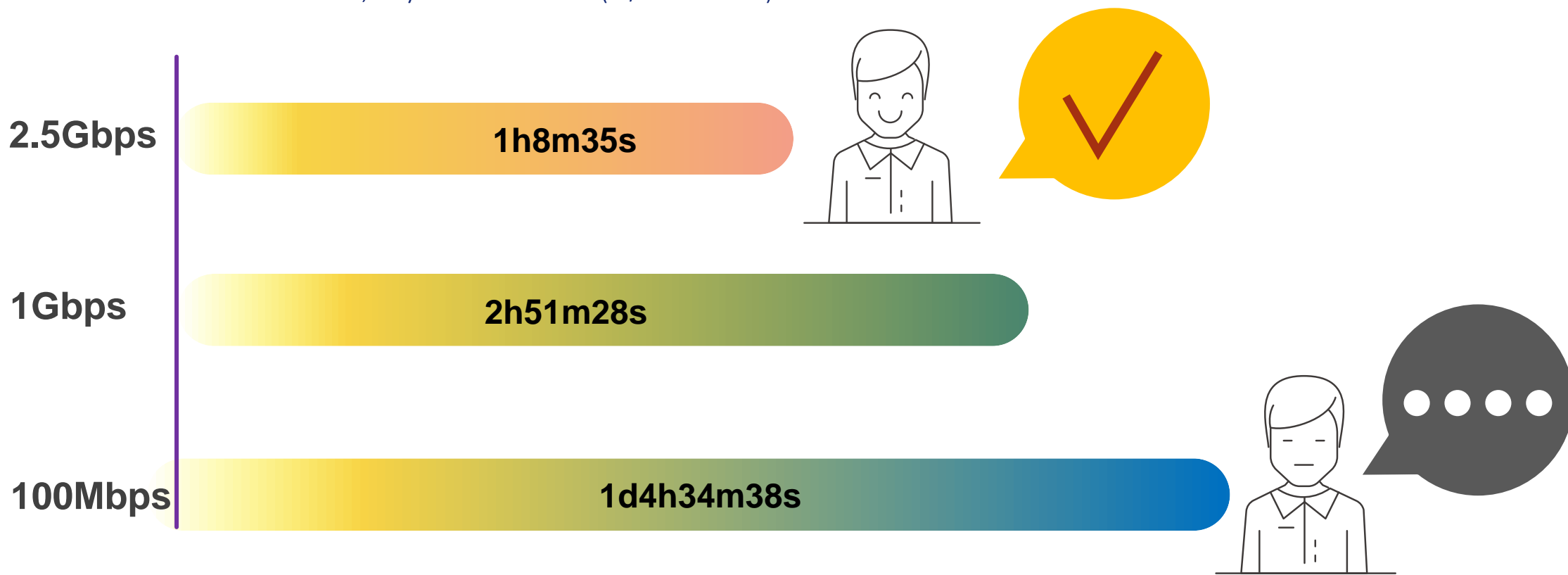




# 比1GbE快2.5倍

## 備份1 TB所需預估時間

條件: Effective Data Rate 95%, Payload Data Rate (w/ Overhead) 90%





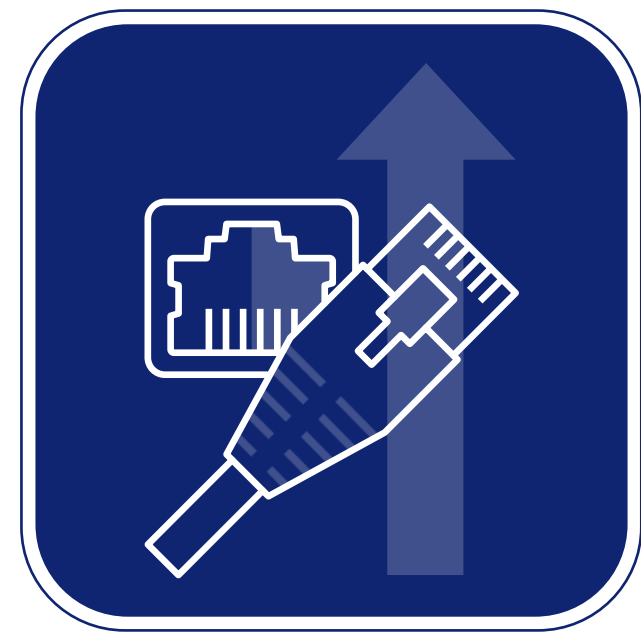
# 最實惠的網速升級 - 2.5GbE



2.5 倍網速



價格親民

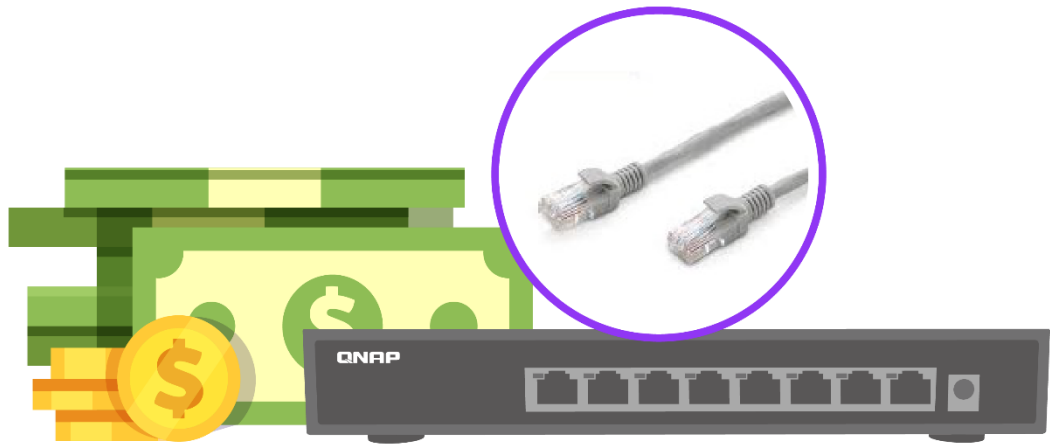


無痛升級

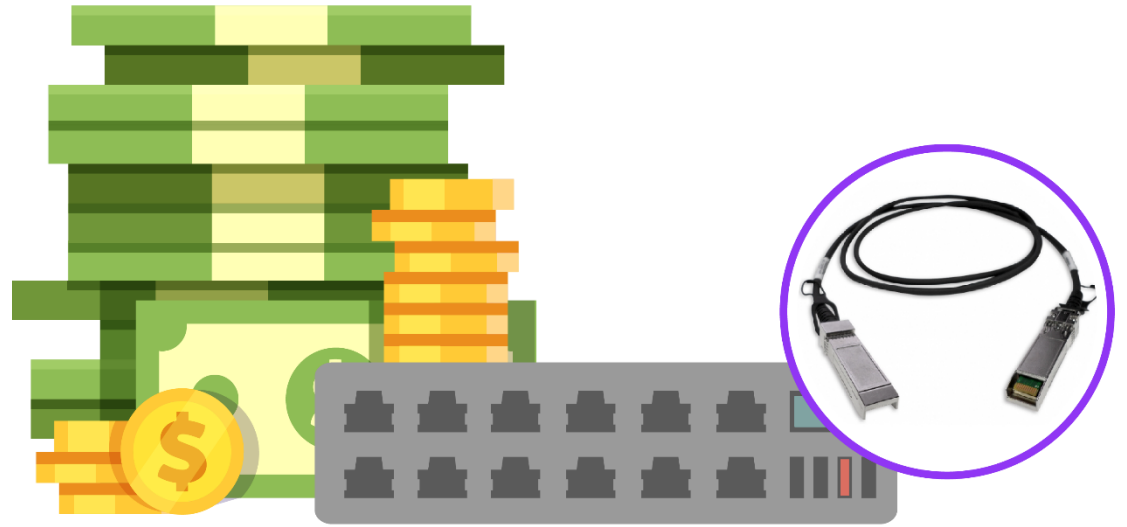


# 升級網速不用花大錢， 隨插即用，輕鬆升級2.5GbE

- 低價位全2.5G switch, 讓使用者可以在提升線路速度跟布建成本間取得平衡
- 可直接使用現有RJ45 Cat5e線路, 節省重新佈線成本

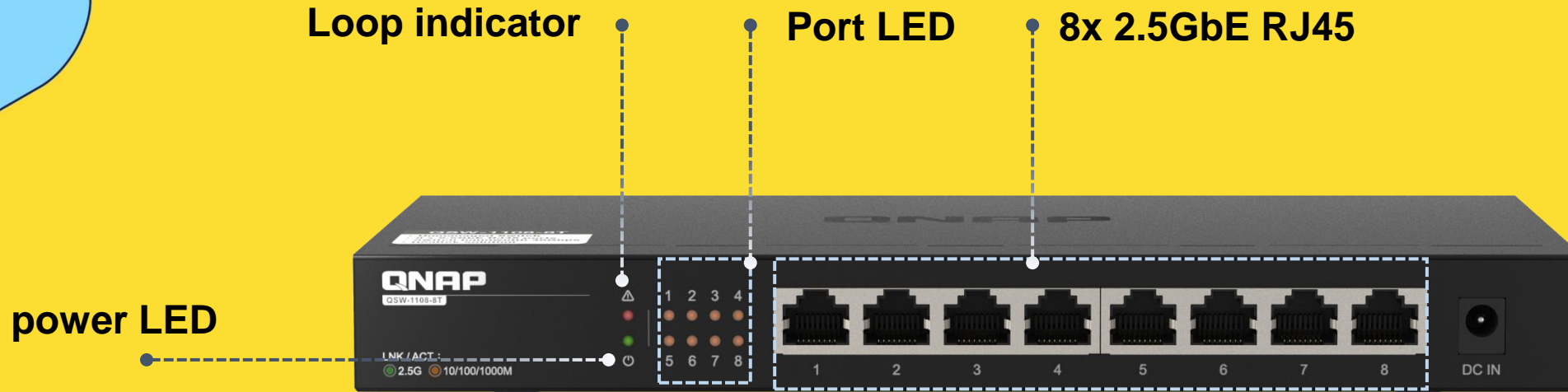


2.5GbE solution



10GbE solution

# QSW-1108-8T



QSW-1108-8T	
2.5GbE RJ45 (backward compatible with 1G/100M)	8
MAC table	16K
Packet buffer size	12Mbit
Jumbo Frame	12Kbytes
Switching Bandwidth	40Gbps
Fan	Fanless





# 防迴圈功能避免不小心接錯網路線

- 通常是高階有管理介面的交換機才支援
- 內建自動迴圈偵測，不用擔心迴圈讓整個網路癱瘓



Loop時警示燈會恆亮

Loop



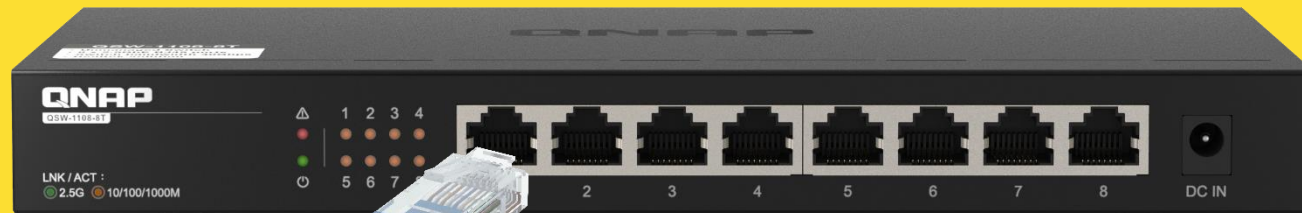


## 無風扇設計讓你不受噪音干擾

- 桌上型無風扇設計
- 擺在家裡室內也不擔心噪音問題

# 全自動設計不需設定


- 隨插即用不需設定
- 簡單到任何人都可以操作





# 五埠2.5GbE 交換器




	<b>QNAP QSW-1105-5T</b>	<b>ZyXEL MG-105</b>	<b>ASUSTOR ASW205T</b>	<b>TP-Link TL-SG105-M2</b>	<b>TRENDnet TEG-S350</b>
<b>Management</b>	<b>Unmanaged</b>	<b>Unmanaged</b>	<b>Unmanaged</b>	<b>Unmanaged</b>	<b>Unmanaged</b>
Switch Chipset	Broadcom	Realtek	Realtek	Realtek	Realtek
Number of Ports	5	5	5	5	5
1GbE RJ45	-	-	-	-	-
2.5GbE RJ45	5	5	5	5	5
Switching Capacity (Gbps)	25	25	25	25	25
Loop detection and blocking	<b>Yes</b> 	NA	NA	NA	NA
Packet buffer size	6.1Mbit	12Mbit	4.1Mbit	1.5 Mb	12Mbit
Jumbo Frame	9Kbytes	12Kbytes	12Kbytes	10Kbytes	12Kbytes
MAC table	16K	6K	16K	16K	16K





# 八埠2.5GbE 交換器





	QNAP QSW-1108-8T	ZyXEL MG-108	TRENDnet TEG-S380	TP-Link TL-SG108-M2
<b>Management</b>	<b>Unmanaged</b>	<b>Unmanaged</b>	<b>Unmanaged</b>	<b>Unmanaged</b>
Switch Chipset	Realtek	Realtek	Realtek	Realtek
Number of Ports	8	8	8	8
1GbE RJ45	-	-	-	-
2.5GbE RJ45	8	8	8	8
10GbE SFP+	-	-	-	-
10GbE RJ45	-	-	-	-
Switching Capacity (Gbps)	40	40	40	40
Loop detection	Yes 	NA	NA	NA
Packet buffer size	12Mbit	12Mbit	12Mbit	1.5 Mb
Jumbo Frame	12Kbytes	12Kbytes	12Kbytes	10Kbytes
MAC table	16K	6K	16K	16K



# 10GbE+2.5GbE交換器



	<b>QNAP QSW-2104-2S</b>	<b>QNAP QSW-2104-2T</b>	<b>Zyxel XGS1010-12</b>	<b>D-Link DMS-106XT</b>
Management	Unamanged	Unamanged	Unamanged	Unamanged
Switch Chipset	Broadcom	Broadcom	Realtek	Broadcom
Number of Ports	6	6	12	6
1GbE RJ45	-	-	8	-
2.5GbE RJ45	4	4	2	5
10GbE SFP+	2	-	2	-
10GbE RJ45	-	<b>2</b>	-	1
Switching Capacity (Gbps)	60	60	66	45
Loop detection and blocking	<b>Yes</b> 	<b>Yes</b> 	NA	NA
Packet buffer size	6.1Mbit	6.1Mbit	12Mbit	6.1Mbit
Jumbo Frame	9.7Kbytes	9.7Kbytes	12Kbytes	9.7Kbytes
MAC table	16K	16K	16K	4K



QNAP提供完整2.5GbE方案，  
讓您一次購足邁入 2.5GbE 世代



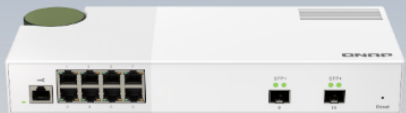
# QNAP 2.5GbE交換器

## Managed switches



QSW-M2108-2C

- 8x 2.5GbE RJ45
- 2x 10GbE SFP+/RJ45 combo (2C)
- 2x 10GbE SFP+ (2S)
- Layer 2 Management
- Desktop design



QSW-M2108-2S



QSW-M2116P-2T2S

- 16x 2.5GbE RJ45 with 802.3at(30W)
- 2x 10GbE RJ45 with 802.3 bt(90W)
- 2x 10GbE SFP+
- Layer 2 Management
- Rackmount design



QSW-M2108R-2C

- 8x 2.5GbE RJ45
- 2x 10GbE SFP+/RJ45 combo
- Layer 2 Management
- Rack mount and 2 for 1 design

## Unmanaged switches



QSW-1108-8T

- 8x 2.5GbE RJ45
- Auto loop detected
- Desktop design
- Fan less design



QSW-2104-2T

- 4x 2.5GbE RJ45
- 2x 10GbE RJ45 (2T)
- 2x 10GbE SFP+ (2S)
- Auto loop detected
- Desktop design
- Fan less design



QSW-1105-5T

- 5x 2.5GbE RJ45
- Auto loop detected
- Desktop design
- Fan less design



QSW-2104-2S

# QNAP 2.5GbE NAS

## 專業人士高效存取



Intel Celeron J4125 四核 2.0GHz, 2 x 2.5GbE,  
PCIe 擴充 M.2 NVMe/ SATA SSD 或 10GbE



TS-653D

TS-453D

TS-253D

Annapurna Labs AL-314 四核 1.7GHz,  
1 x 10GbE SFP+, 1 x 2.5GbE



TS-431X3

## 數位家庭高品質影音享受

Annapurna Labs AL-314  
四核 1.7GHz, 1 x 2.5GbE



TS-431P3

TS-231P3

# PCIe與攜帶式網路擴充卡

## 5GbE USB dongle

### 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>

## 2.5GbE series

### QXG-2.5G Family



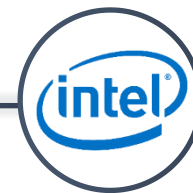
1 x RJ45



2 x RJ45



4 x RJ45



# 如果2.5GbE不夠用, 預算又足夠, 您可以選擇全10GbE交換器

## Managed switches



QSW-IM1200-8C

- 3 x powers with redundant design
- 4 x10GbE SFP+
- 8 x10GbE SFP+/RJ45 combo
- Layer 2 management
- Rackmount
- Fan less



QSW-M804-4C

- 4x 10GbE SFP+
- 4x 10GbE SFP+/RJ45 combo
- Layer 2 Management
- Rack mount design



QSW-M1204-4C

- 8x 10GbE SFP+
- 4x 10GbE SFP+/RJ45 combo
- Layer 2 Management
- Rack mount design



QSW-M1208-8C

- 4x 10GbE SFP+
- 8x 10GbE SFP+/RJ45 combo
- Layer 2 Management
- Rack mount design

## Unmanaged switches



QSW-1208-8C

- 4x 10GbE SFP+
- 8x 10GbE SFP+/RJ45 combo
- Rack mount design

**QNAP®**

8 埠 2.5GbE 無網管型交換器

**QSW-1108-8T**

輕鬆升級頻寬又不必花大錢

