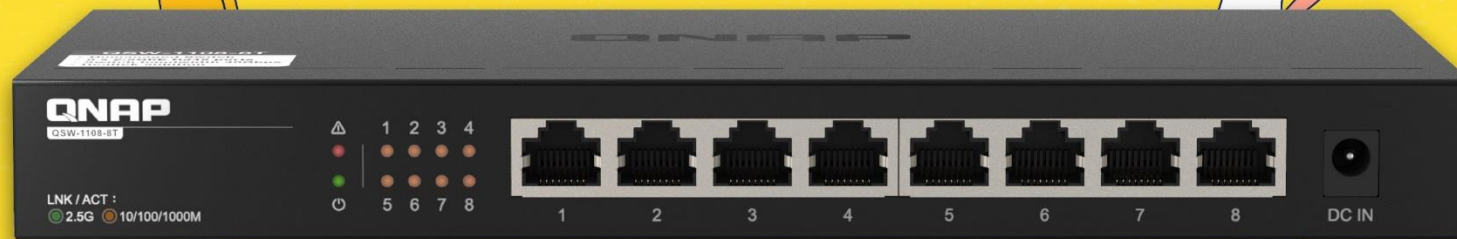


QNAP®

QSW-1108-8T

8-Port 2.5GbE Unmanaged Switch

Instantly upgrade to 2.5GbE connectivity with existing cables at an affordable price





1GbE is enough now, how about in the future?

- 2.5GbE is taking off and becoming increasingly available in new computers and networked devices!
- Upgrade to a 2.5GbE switch now to futureproof your network for these devices.



Netgear CM2000



TP-Link Archer AX6000



Gigabyte Z490 AORUS MASTER



Apple MacBook



Asrock Z490 Taichi



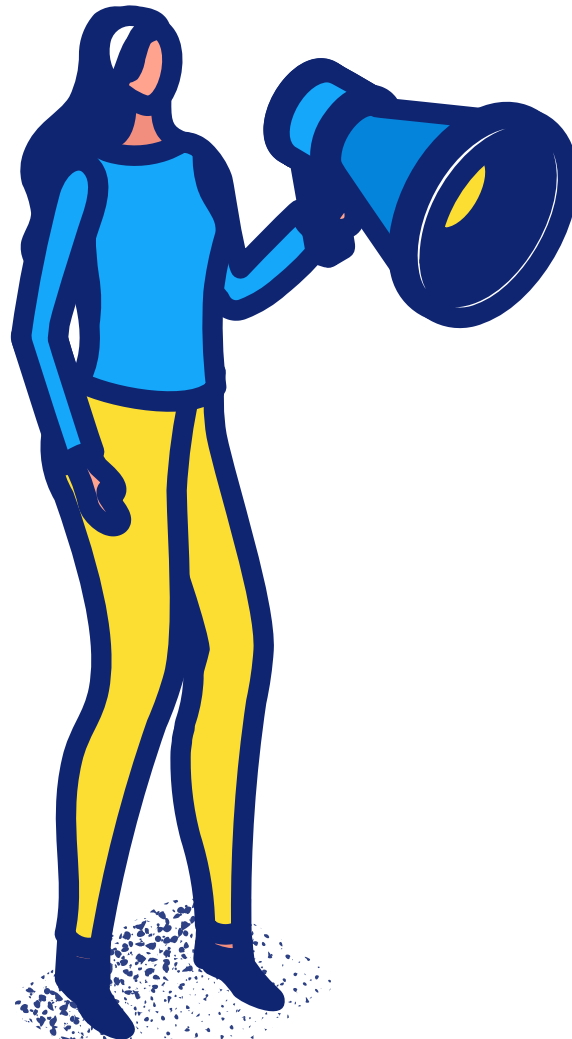
QNAP TS-431P3

QNAP TS-231P3

Don't let the switch become a network bottleneck



Considerations for buying the switch



10GbE?



2.5GbE?



Price?



Need to upgrade
existing equipment?

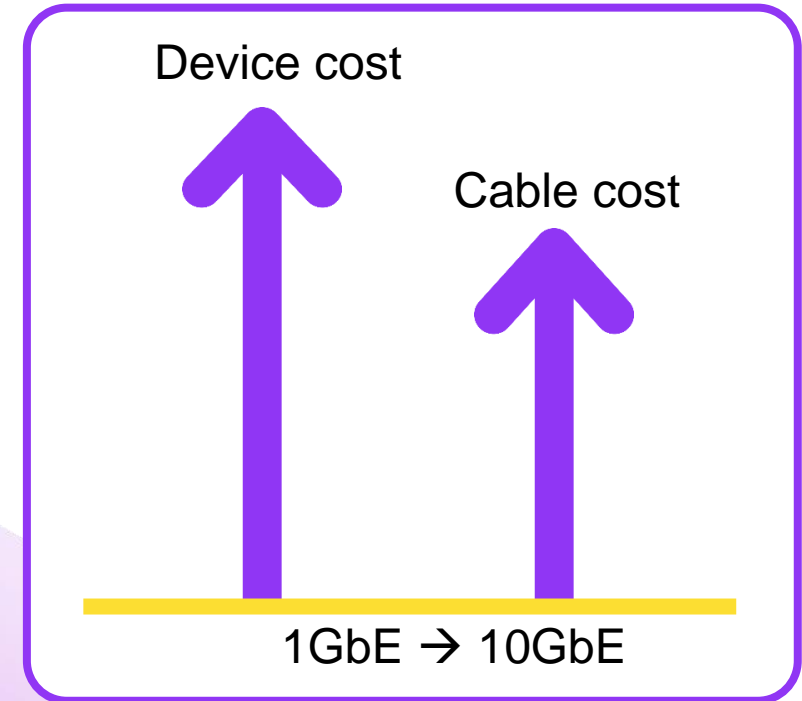
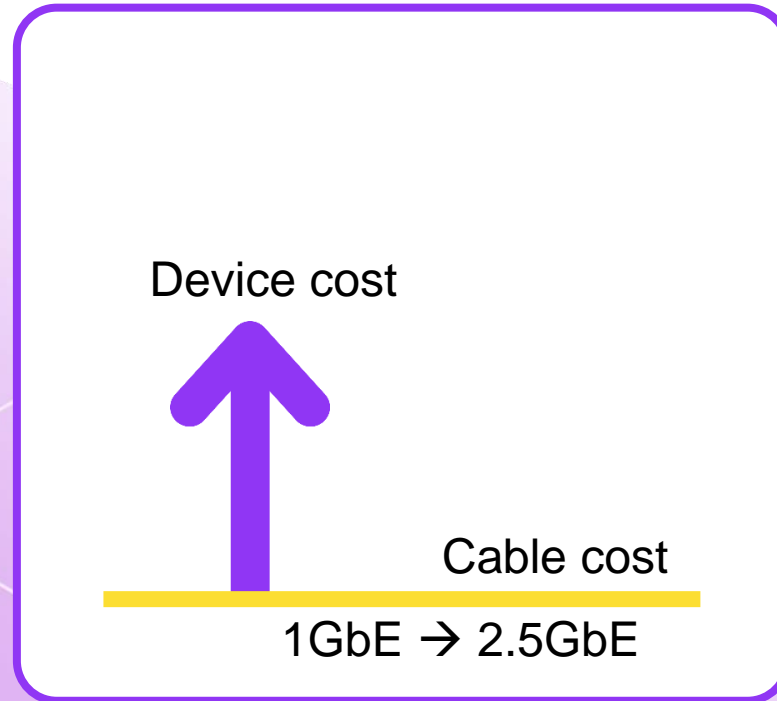


Changing
the cables?



The most affordable speed upgrade-2.5GbE

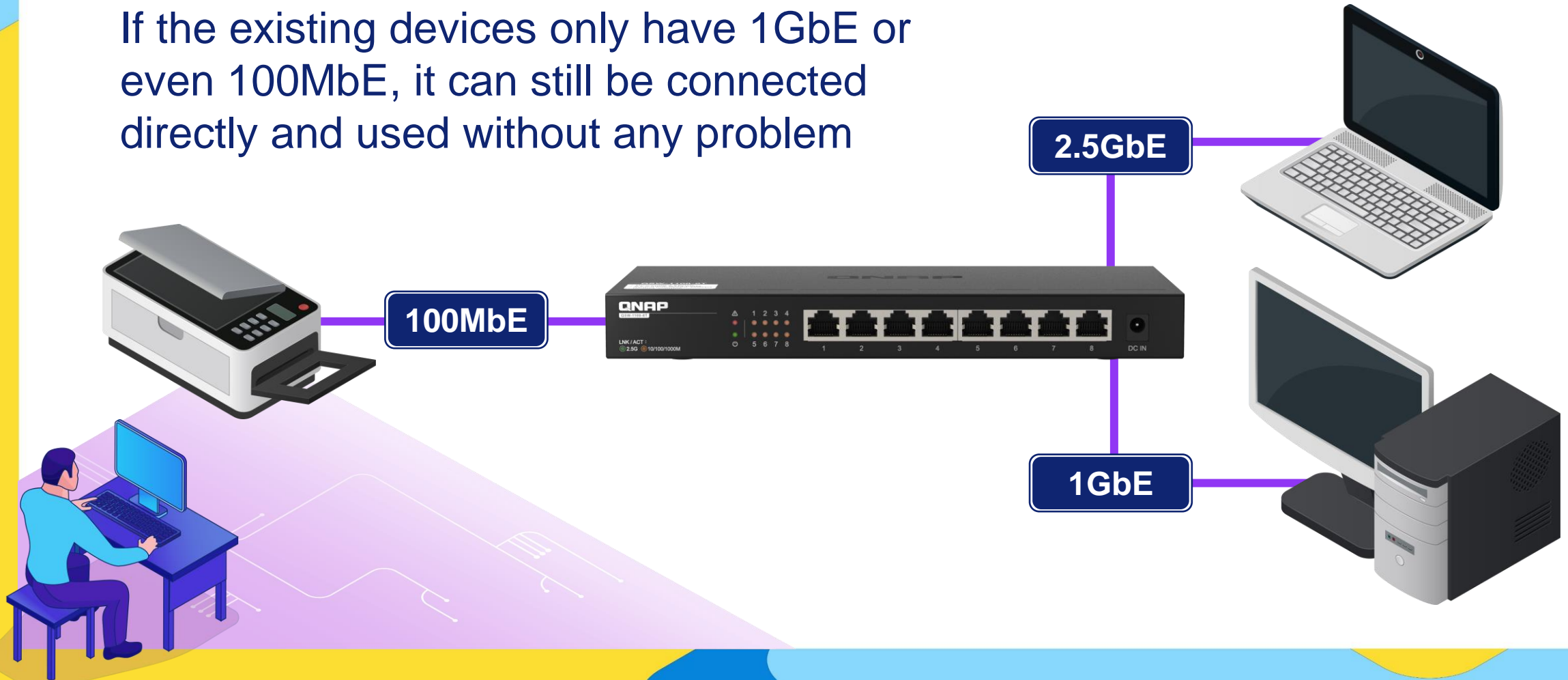
- Spend \$\$\$ buy the 10GbE switch?
- Spend \$\$\$ Upgrade the cables?





Connect your current devices directly

If the existing devices only have 1GbE or even 100MbE, it can still be connected directly and used without any problem





Do we need to upgrade the cables?



Do we need to change the cables after swapping to 2.5GbE switches?





2.5GbE can be used with original Cat5e cables



Don't need to re-deploy the cables

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

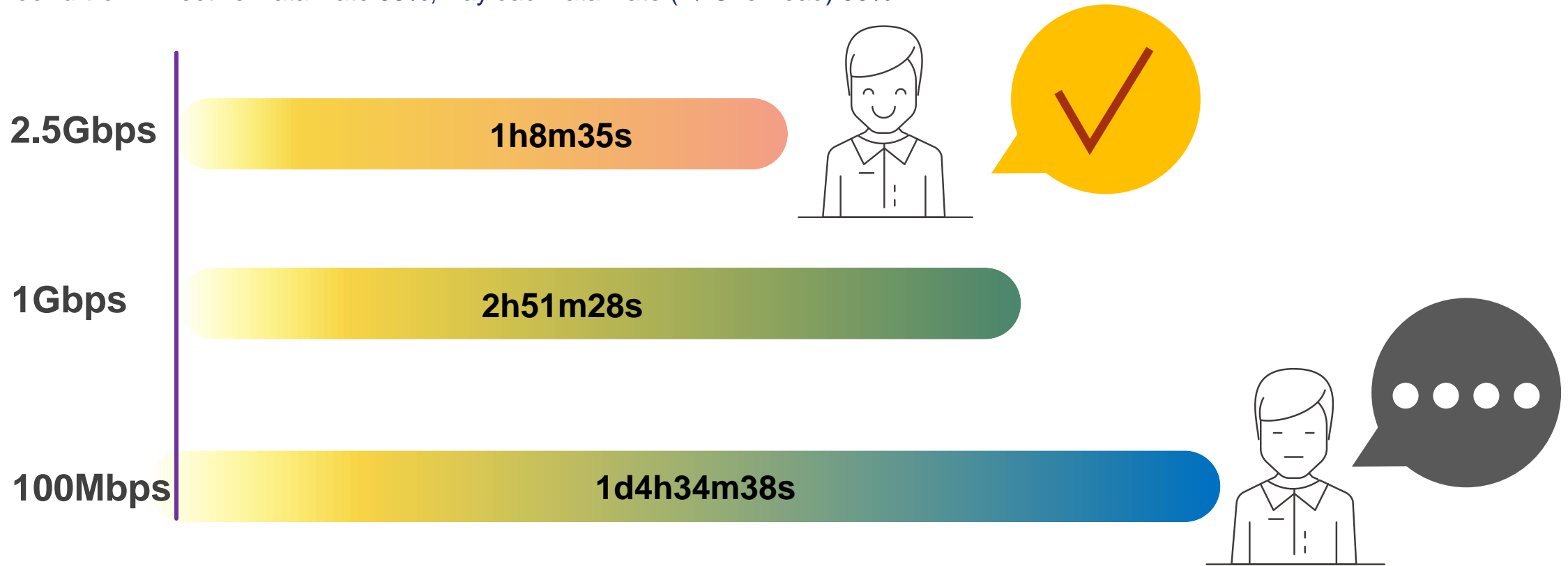




2.5 times faster than 1GbE

The estimated time to backup 1TB file

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





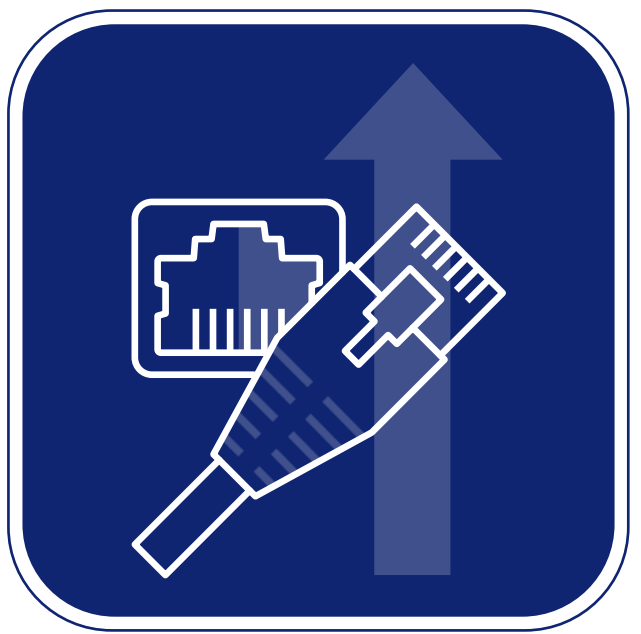
The most affordable speed upgrade-2.5GbE



2.5 times faster



Affordable price

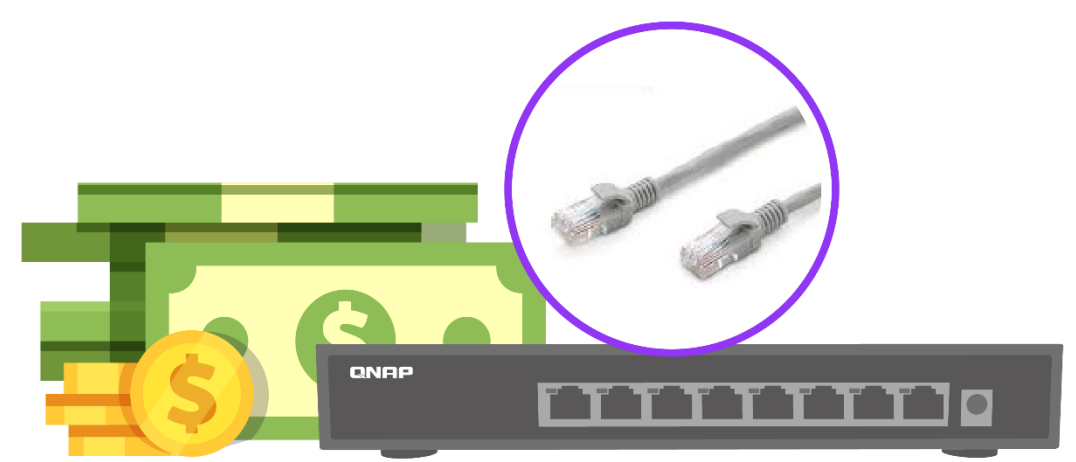


Upgrade directly

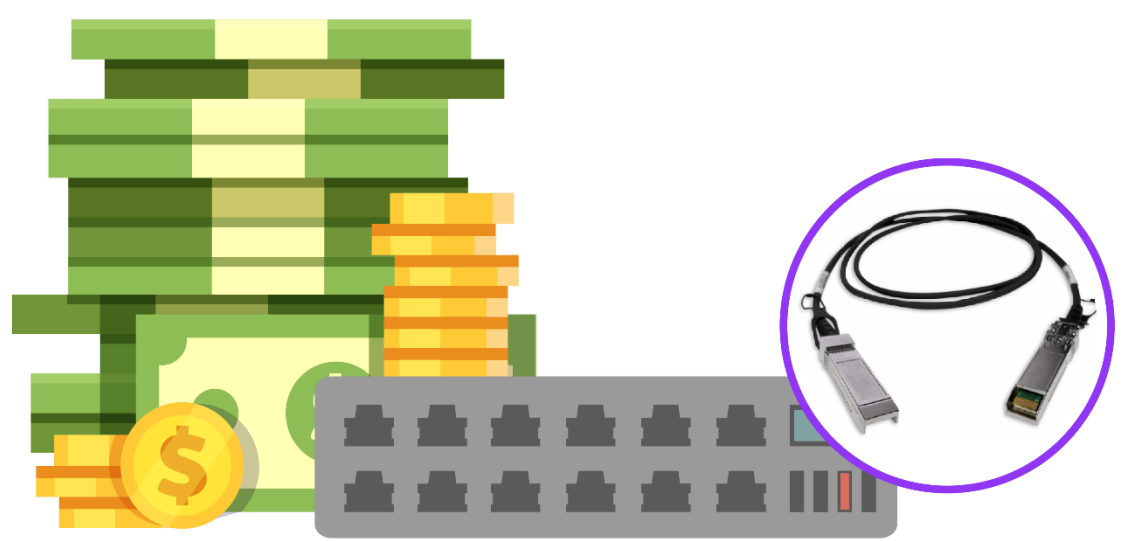


Instantly upgrade to 2.5GbE connectivity with existing cables at an affordable price

- Low price 2.5G switches strike the balance between the cost of increasing network speed and swapping new devices
- Using existing RJ45 Cat5e cable saves the money without swapping the cables

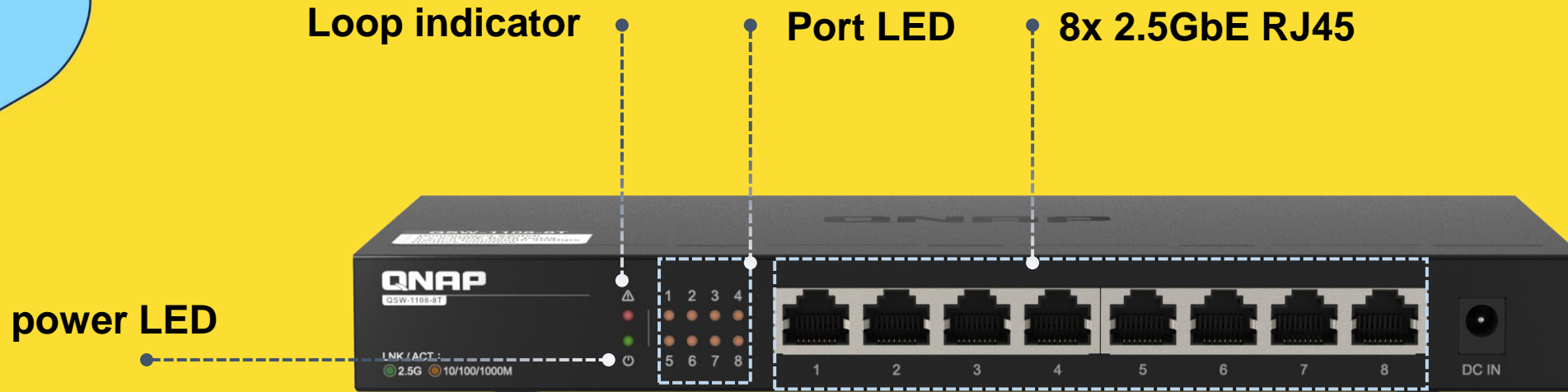


2.5GbE solution



10GbE solution

QSW-1108-8T



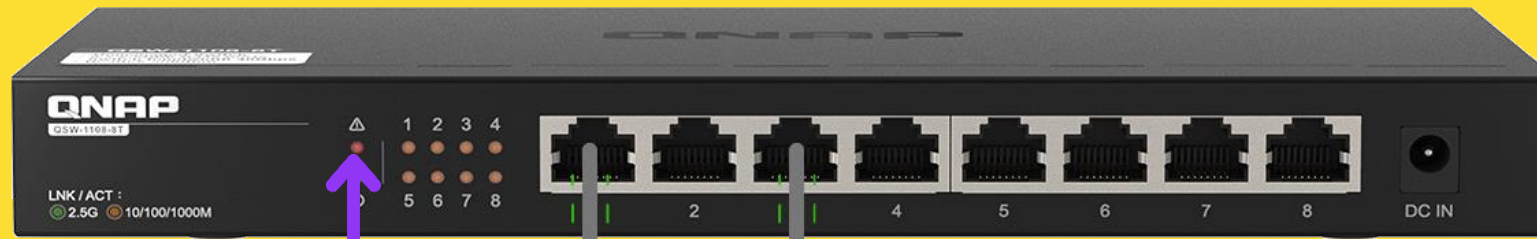
QSW-1108-8T	
2.5GbE RJ45 (backward compatible with 1G/100M)	8
MAC table	16K
Packet buffer size	12Mbit
Jumbo Frame	12Kbytes
Switching Bandwidth	40Gbps
Fan	Fanless





Loop detection keeps away with wrong cable connected

- Loop detection is usually supported at management switch
- Auto detect loop mess and block it directly without manual configuration



LED light steady when loop occur

Loop



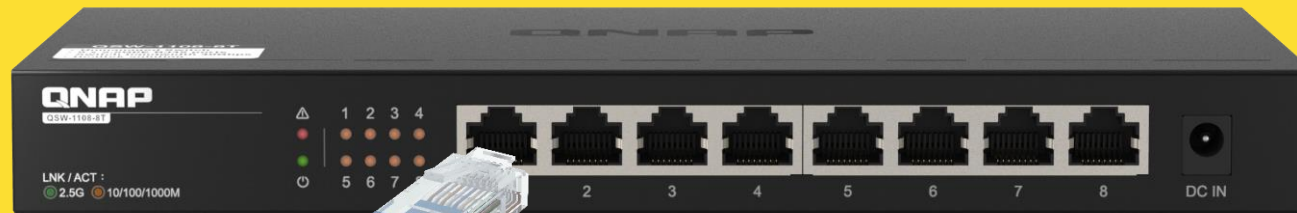


Fanless and slinet

- Desktop fanless high quality housing design
- Don't worry about noise even you put at home

Automatically working without any configuration


- Plug and play
- Everyone can set it up without any configuration





5 ports, 2.5GbE switches




	QNAP QSW-1105-5T	ZyXEL MG-105	ASUSTOR ASW205T	TP-Link TL-SG105-M2	TRENDnet TEG-S350
Management	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
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	Yes 	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



8 ports, 2.5GbE switches






	QSW-1108-8T	ZyXEL MG-108	TRENDnet TEG-S380	TP-Link TL-SG108-M2
Management	Unmanaged	Unmanaged	Unmanaged	Unmanaged
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 switches



	QSW-2104-2S	QSW-2104-2T	ZyXel XGS1010-12	D-Link DMS-106XT
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	-	2	-	1
Switching Capacity (Gbps)	60	60	66	45
Loop detection and blocking	Yes 	Yes 	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

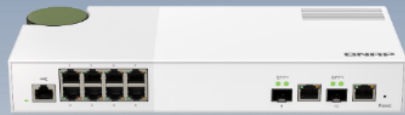


**QNAP provide 2.5GbE solution-
Let you set up 2.5GbE
environment with one purchase**



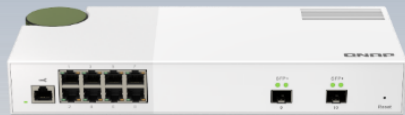
QNAP 2.5GbE switches

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-2104-2S

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



QSW-1105-5T

QNAP 2.5GbE NAS

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

Digital home with high quality of streaming

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



TS-431X3

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



TS-431P3

TS-231P3

Recommended 2.5GbE peripherals

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



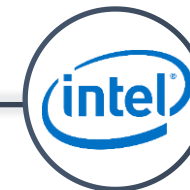
1 x RJ45



2 x RJ45



4 x RJ45



If 2.5GbE is not enough and more budget, you can choose all 10GbE switches

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-Port 2.5GbE Unmanaged Switch

QSW-1108-8T

Instantly upgrade to 2.5GbE connectivity with existing cables at an affordable price

