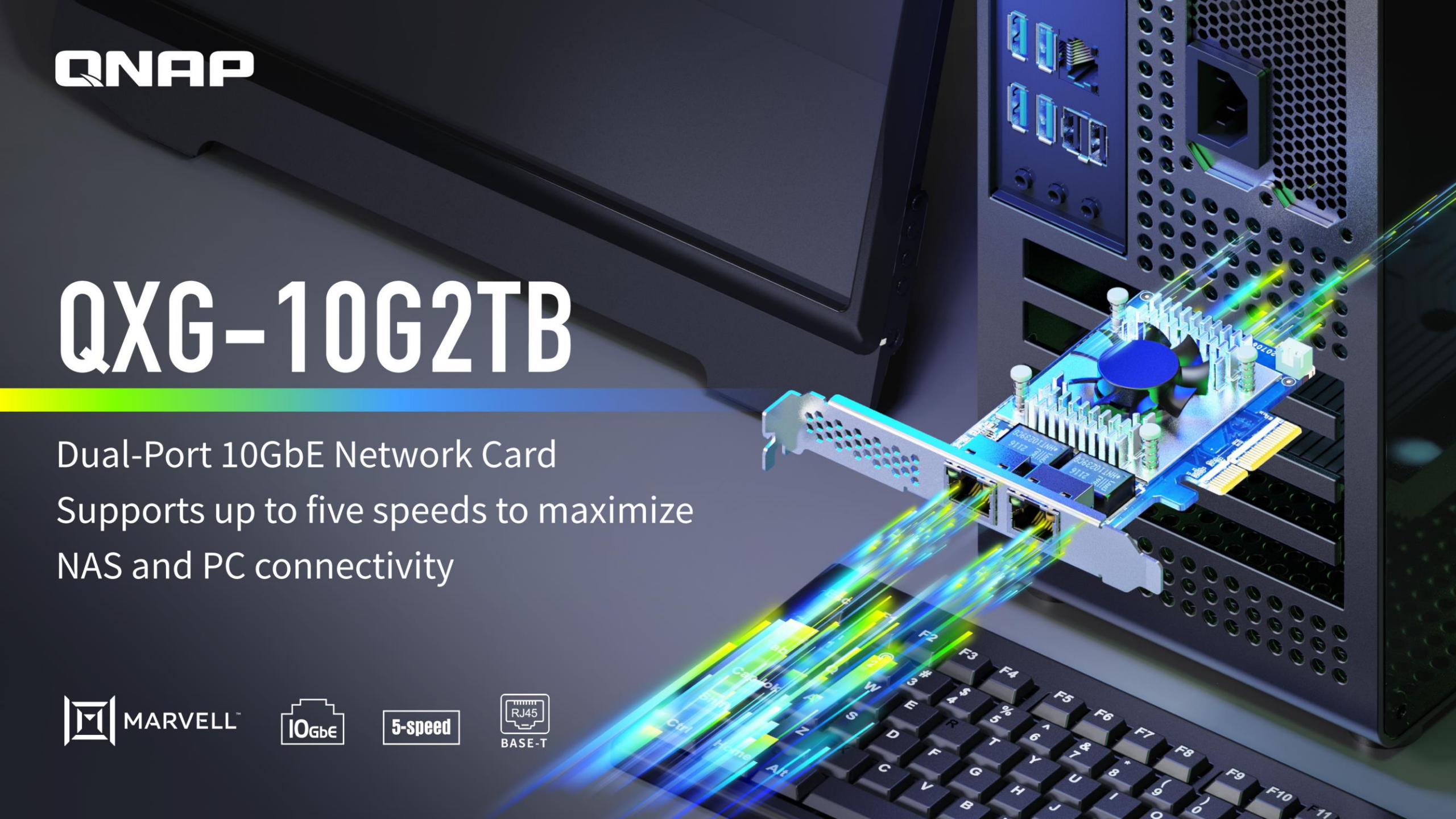
QNAP

QXG-10G2TB

Dual-Port 10GbE Network Card

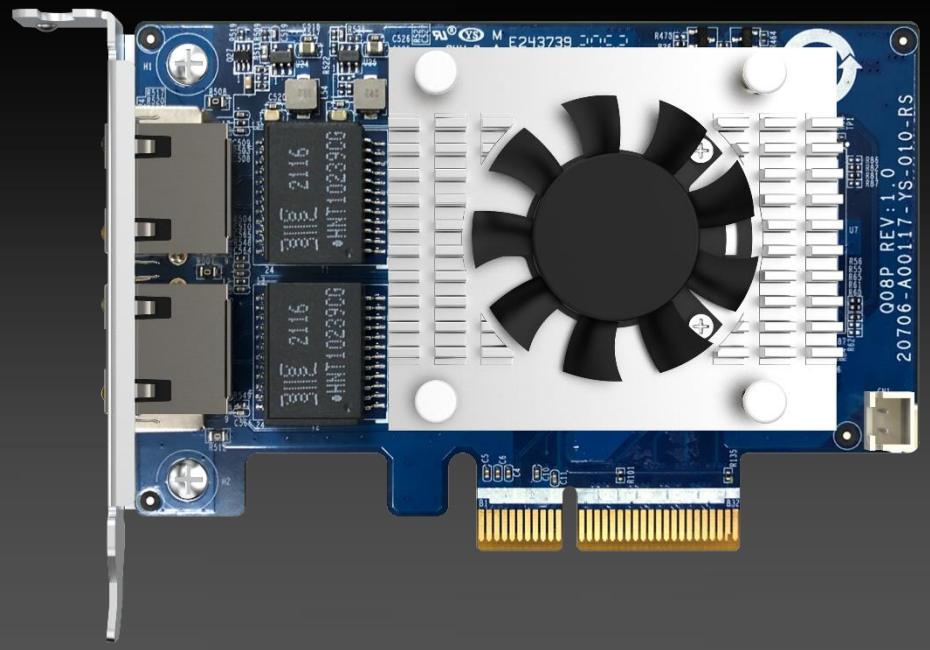
Supports up to five speeds to maximize NAS and PC connectivity

MARVELL™ 10GbE 5-speed RJ45 BASE-T



- Dual port 10GbE PCIe Gen3 Multi-Gig Expansion Card
- PCIe supported NAS、PC / Workstation
- Build a high-speed network environment with QNAP 10GbE switches

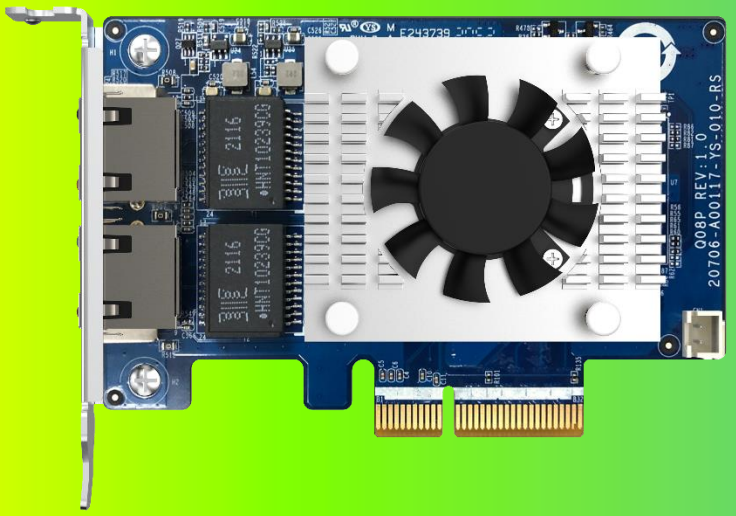
10GbE is fully popularized ,
easily create a high-speed application



QNAP New 10GbE Network Interface Card QXG-10G2TB

QXG-10G2TB
Dual-port 10GbE BASE-T low profile NIC

- 2 x RJ45 10GBASE-T
- 5-speed; 10/5/2.5/1GbE, 100M



Marvell AQtion AQC113C

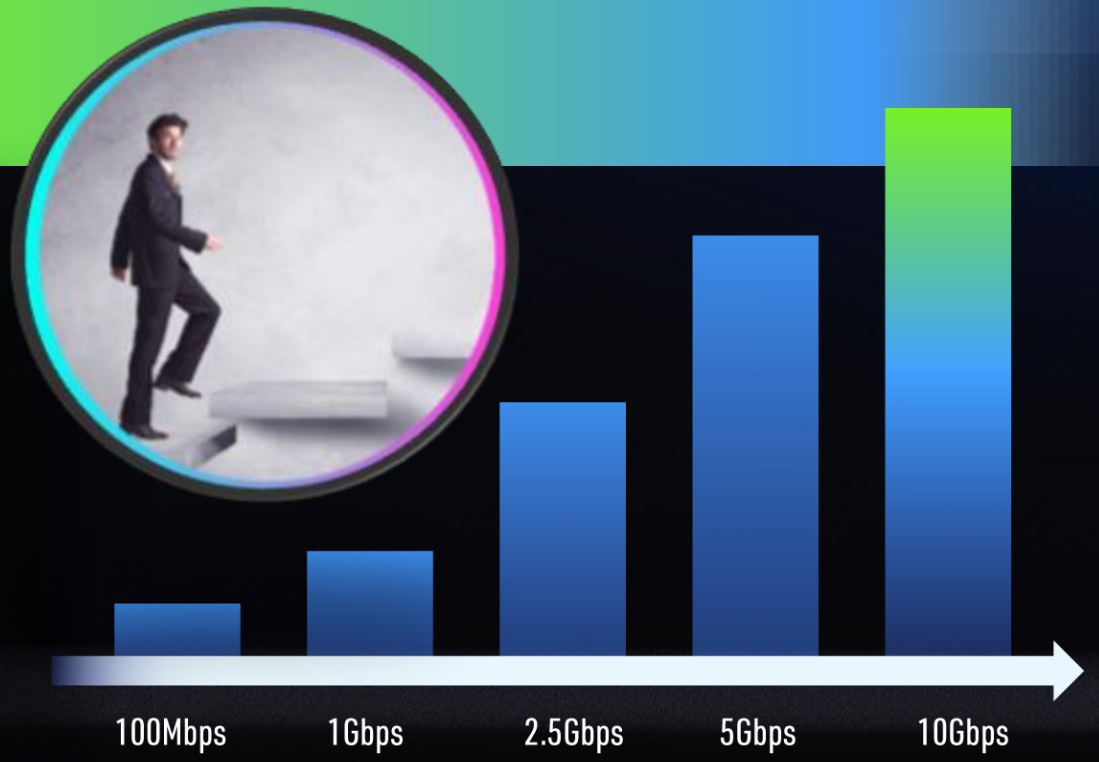
- Multi-Gig Leading solution
- Allows you to quickly upgrade high-speed 10GbE ports to QNAP NAS, Windows® and Ubuntu® computers/servers as needed

MARVELL™

Take advantages of existing infrastructure

Current LAN cables may already be capable for > 1Gbps speeds!

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

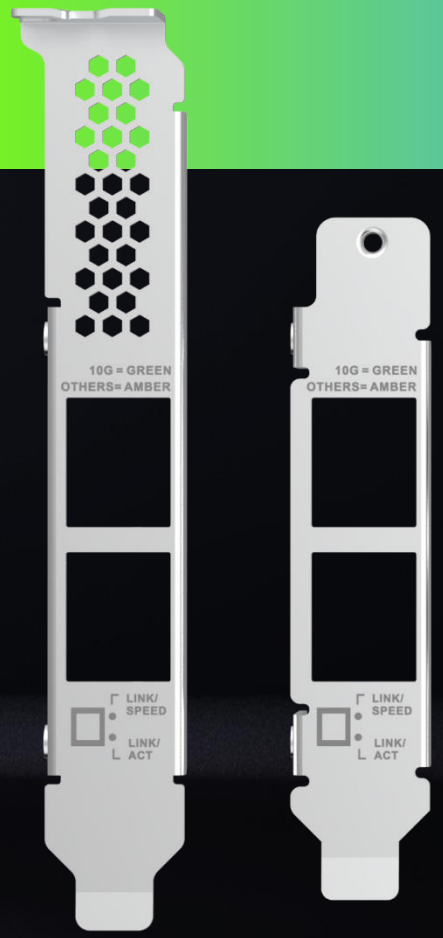


- Original CAT 5e can reach to 5Gbps
- CAT 6 above cable reaches 10Gbps
- Build a high-speed network environment with QNAP 10GbE switches

QXG-10G2TB Hardware specification

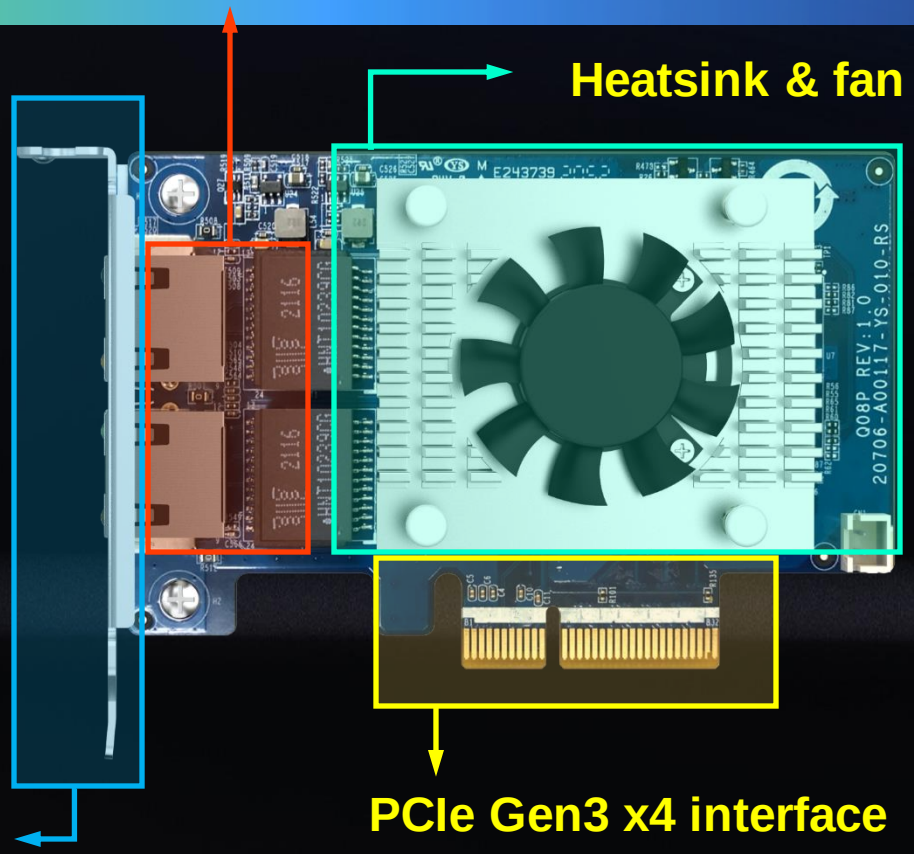
QXG-10G2TB	
Ethernet Controller	Marvell AQtion AQC113C
Transmission Speed	10/5/2.5/1GbE, 100M
Connector	NBAST-T; RJ45
Port#	2
Support QNAP OS	QTS 4.5.4 and later QuTS hero h4.5.4 and later
Support 3rd party OS	Windows® 10 (Driver is required) Ubuntu® 20.04 + Marvell 2.5.5 (Driver is required)
PCIe interface	PCI Express 3.0 x4
Package content	1 x QXG-10G2TB 1 x QIG (Quick Installation Guide) 3 x brackets (pre-install half-height on NIC when shipping)
warranty	2 years

QXG-10G2TB 10GbE NIC overview



Pre-install Low profile bracket
include Full height special bracket for selected QNAP NAS

Dual-port 10GbE (BASE-T) connector (10/5/2.5/1G,100M)



Heatsink & fan for controller chipset

With the high-efficiency heatsink & fan module, it can avoid over-temperature in the high-speed transmission environment

PCIe Gen3 x4 interface

Supports QTS / QuTS hero, Windows and Linux

* the compatible QNAP NAS can be found in QNAP compatibility list

PCIe supported NAS

The driver is featured in QTS 4.5.4 / QuTS hero h4.5.4 or above version. Please update to latest version

PCIe supported PC/Workstation/Server

Driver is required to download in QNAP download center and install to your PC

Extend your QNAP NAS with 10GbE NIC

AMD

TS-x73AU series

- AMD **Ryzen™ V1500B quad-core**
- 2 x 2.5GbE ports (2.5/1GbE, 100/10M)

Slot 1: PCIe Gen3 x4
Slot 2: PCIe Gen3 x4

AMD

TS-x73A series

- AMD Ryzen™ V1500B quad-core
- 2 x 2.5GbE ports (2.5/1GbE, 100/10M)

Slot 1: PCIe Gen 3 x4
Slot 2: PCIe Gen 3 x4

intel

TS-h686

- Intel Xeon D series
- 4 x 2.5GbE ports (2.5/1GbE, 100/10M)

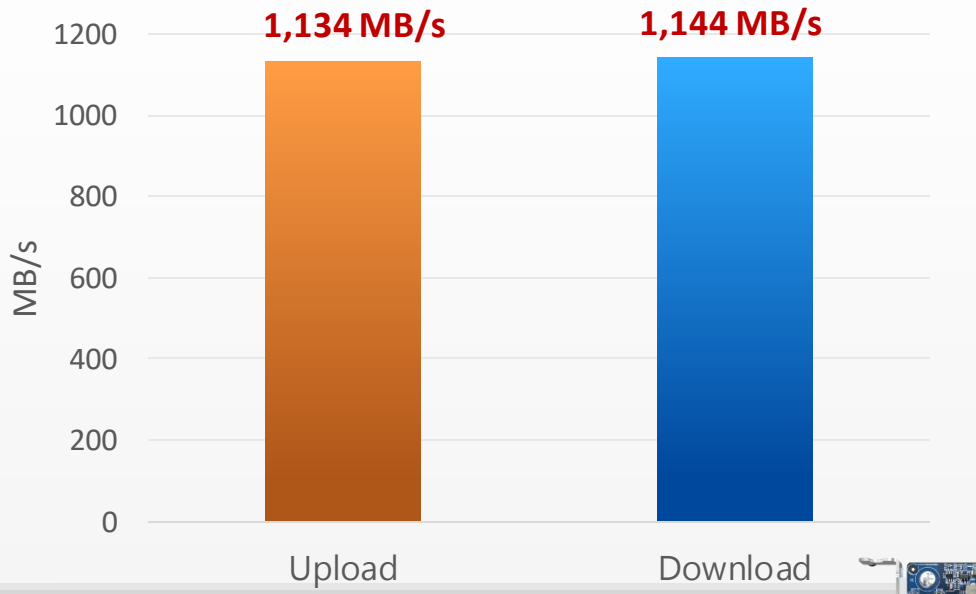
Slot 1: PCIe Gen3 x8
Slot 2: PCIe Gen3 x8

TS-h886

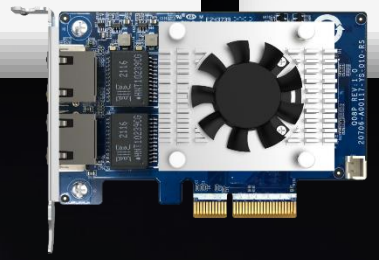
*Find out supported QNAP model on our Compatibility list.

With QXG-10G2TB, you can enjoy high-speed network transmission

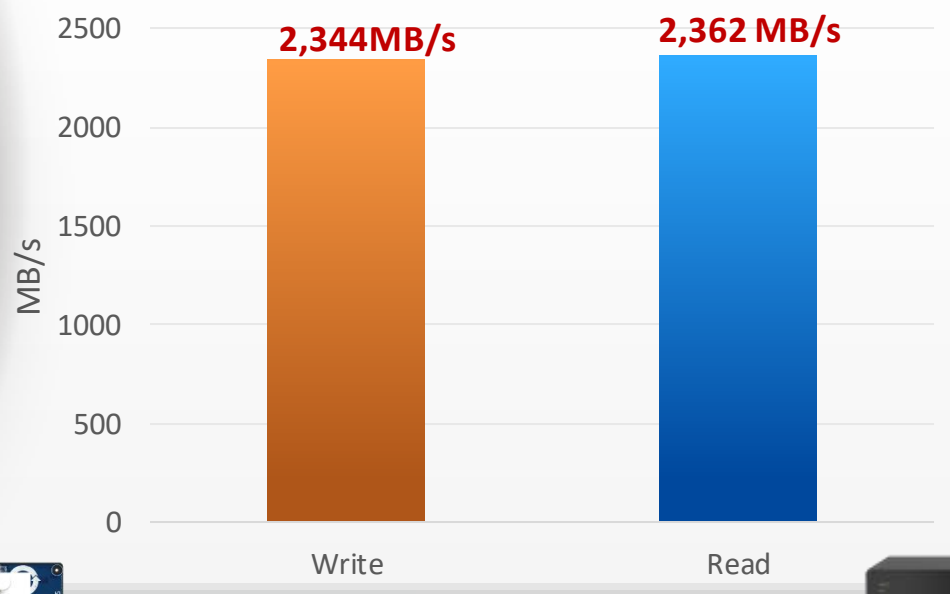
1 x 10GbE Windows File Transfer (TS-h686)



Test environment:
NAS | TS-h686, QuTS hero h4.5.2, 6 x Samsung 850 Pro 512GB SSDs, RAID 0, thick volume
Client PC | Windows 10, Intel Core i7-6700 CPU 3.40GHz ,64GB RAM



2 x 10GbE SMB Sequential Throughput (TVS-h874)

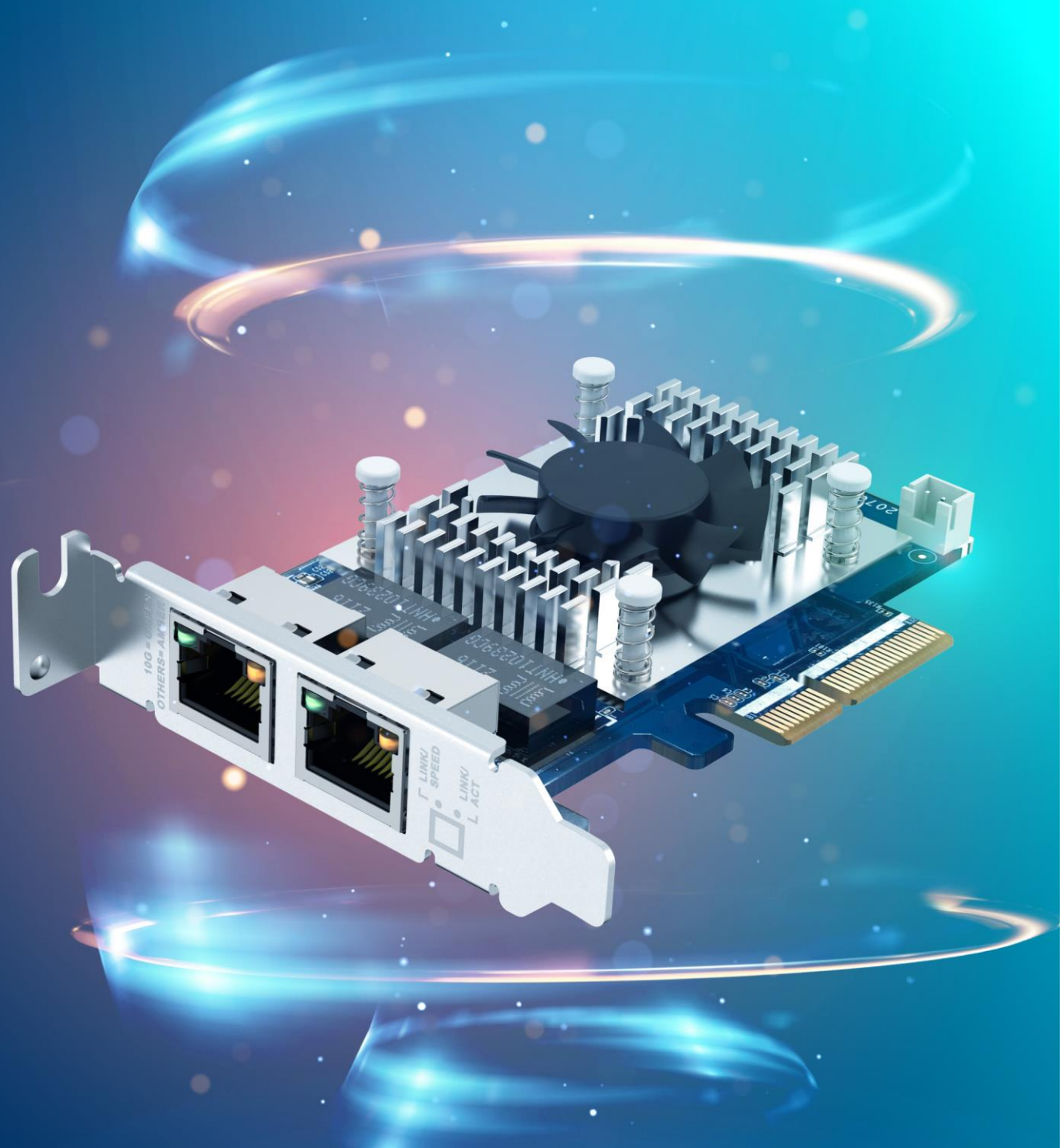


Test environment:
NAS | TVS-h874 QuTS hero h5.0.0, 8 x SSDs, RAID 5, thick volume
Client PC | Windows server 2019, Intel Xeon 3.6GHz, 32GB RAM
IOmeter | RAM*4, 30-sec ramp up time, 3-min seq. run time, 1 worker, 32-outstanding

Live Demo

2 x 10GbE SMB Sequential Throughput

Create 10 GbE high-speed network environment with QNAP switch

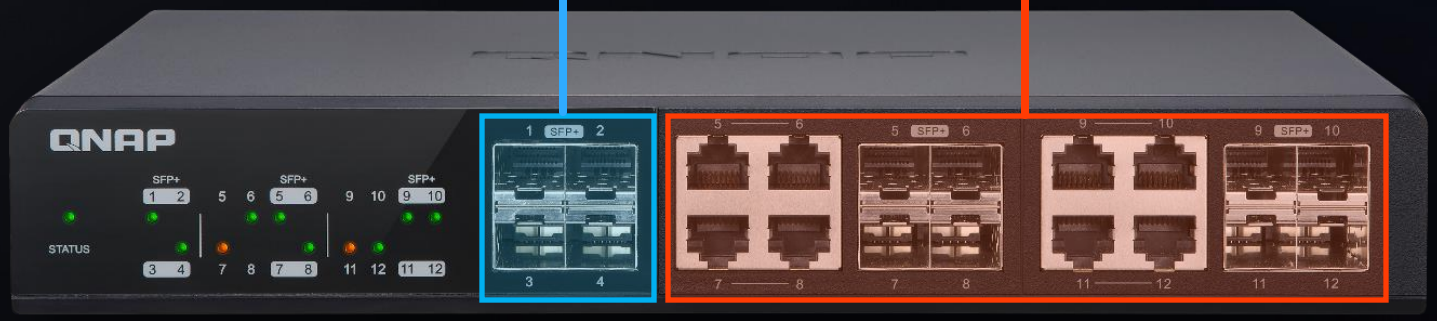


QNAP managed 10GbE switch for multi-10GbE aggregated multi-user cooperating

4 x 10GbE SFP+ ports

8 x 10GbE SFP+ & RJ45 Combo ports

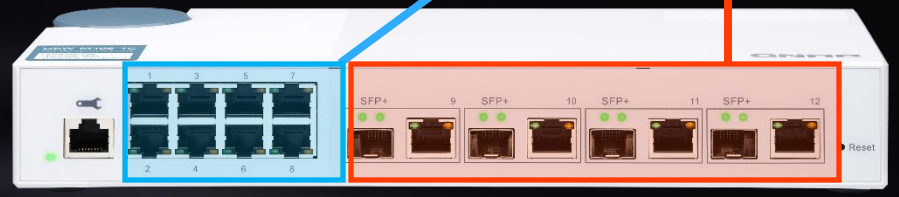
QSW-M1208-8C



8 x 10GbE SFP+ ports

4 x 10GbE SFP+/10GBASE-T combo ports

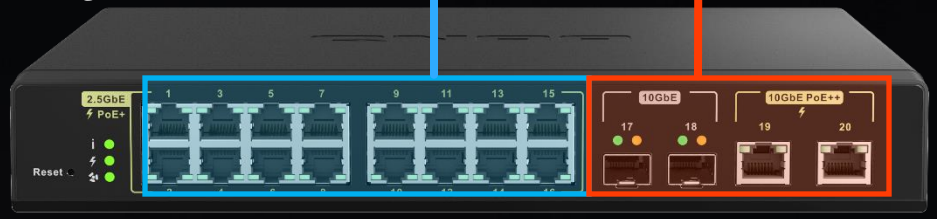
QSW-M408-4C



16 x 2.5GbE 30-watt PoE+

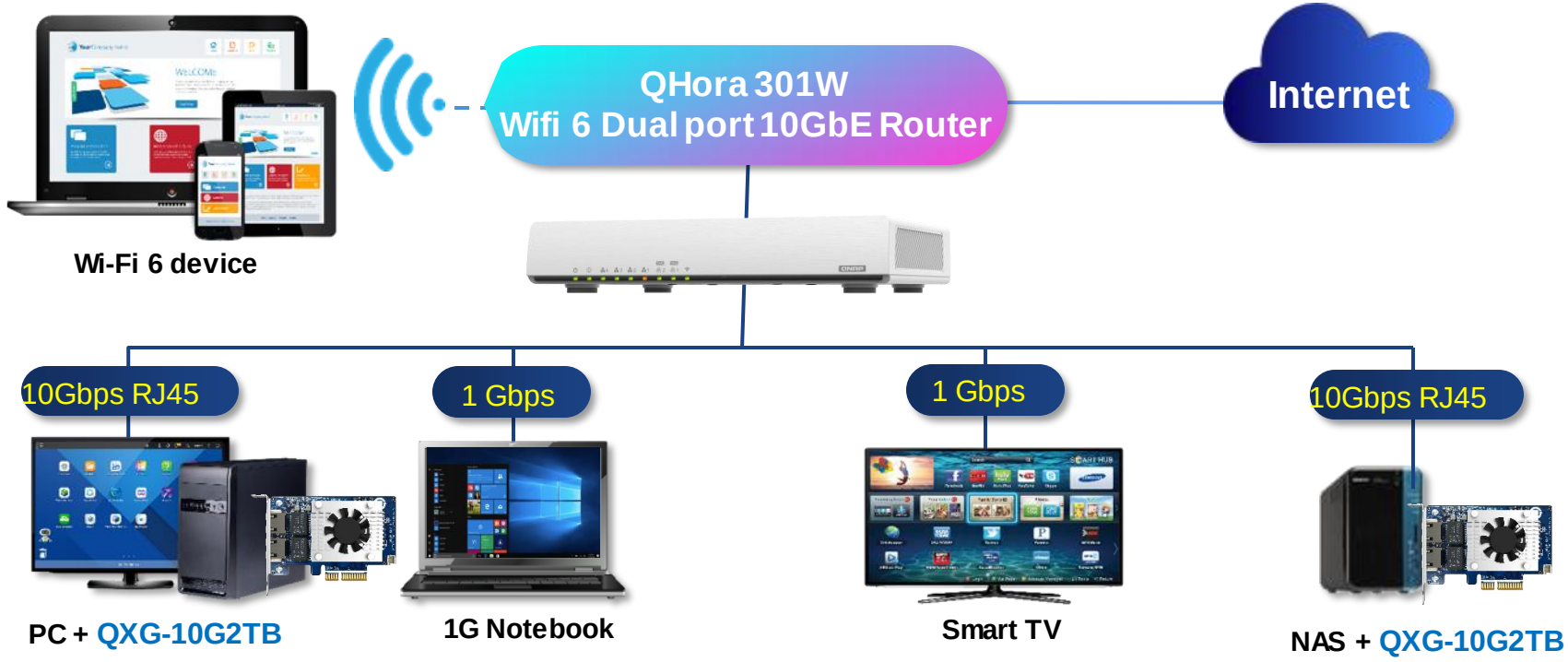
2 x 10GbE 90-watt PoE++
2 x 10GbE SFP+ ports

QSW-M2116P-2T2S



Build a high-speed network with QHora SD-WAN Router

QHora-301W supports high-speed Wi-Fi 6 and 10GbE connections, while also providing an enterprise-grade SD-WAN VPN to allow multi-site VPN deployment via the cloud. Combined with a budget-friendly price, the QHora-301W is a solid foundation for building a next-generation network.



QNA series for 10GbE

QNA-UC5G1T

USB 3.0

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

QNA-T310G1T

Thunderbolt 3

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

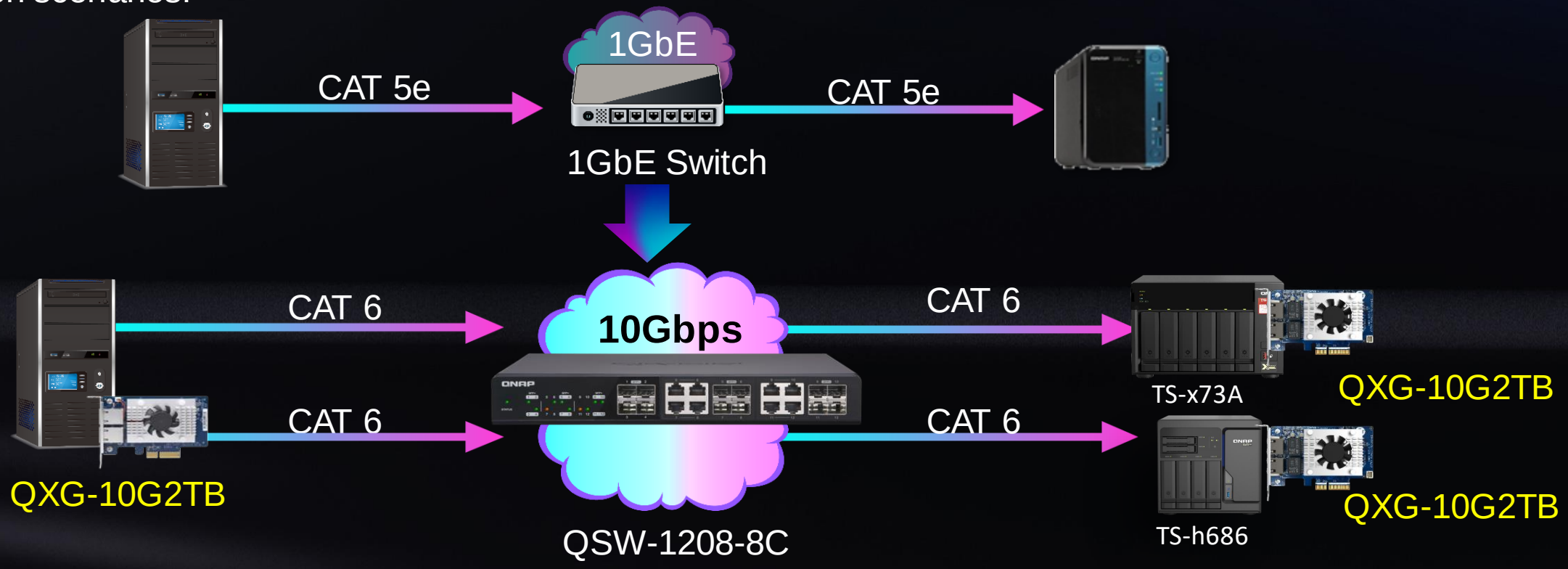
QNA-T310G1S

Thunderbolt 3

- 10GbE SFP+ Port
- Supported speed:10Gbps/1Gbps

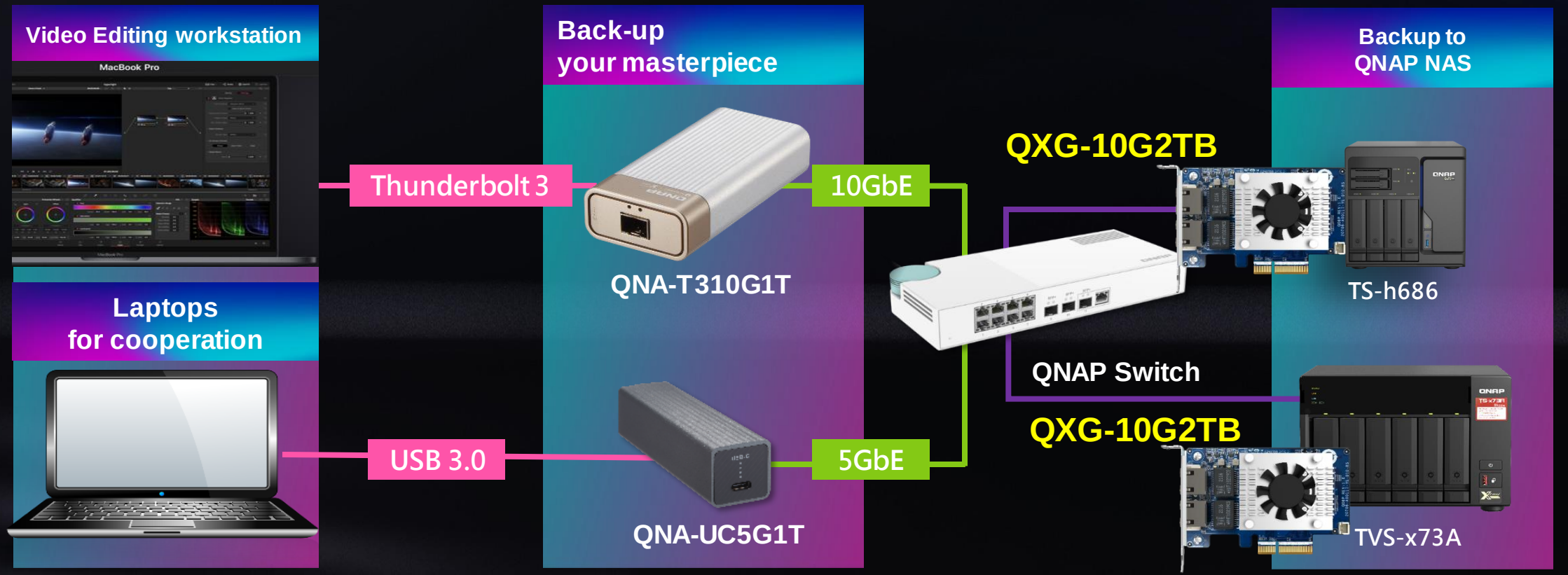
PC/ workstation speed up

Through QNAP's diverse product line, you can easily upgrade to a 10GbE network environment. It allows you to quickly add high-speed 10GbE network ports to QNAP NAS, Window® and Ubuntu® computers/servers according to your needs, speeding up large-scale sharing and intensive data transfer to meet high-bandwidth application scenarios.



Mac/Windows laptop speed up instantly

QNAP also provides a diverse product line of accessories. Even if there is no network port in your device, there are corresponding adapters, which can quickly upgrade your network environment to more than 5 GbE. With QNAP NAS, video editors and other collaborative teams can enjoy high-speed storage services.



Dual port 10GbE PCIe Gen3 Multi-Gig Expansion Card

	QXG-10G2TB	QXG-10G2T-107 (EOL)
Ethernet Controller	**Marvell AQtion AQC113C**	Marvell AQtion AQC107S
Transmission Speed	10/5/2.5/1GbE, 100M	10/5/2.5/1GbE, 100M
Connector	NBAST-T; RJ45	NBASE-T; RJ45
Port#	2	2
Support QNAP OS	QTS 4.5.4 and later QuTS hero h4.5.4 and later	QTS / QuTS hero (latest version recommended)
Support 3rd party OS	Windows® 10 (Driver is required) Ubuntu® 20.04 + Marvell 2.5.5 (Driver is required)	Windows® (Driver is required) Linux® (Driver is required)
PCIe interface	**PCI Express 3.0 x4**	PCI Express 2.0 x4
Package content	1 x QXG-10G2TB 1 x QIG (Quick Installation Guide) 3 x brackets (pre-install half-height on NIC when shipping)	1 x QXG-10G2T-107 1 x QIG (Quick Installation Guide) 3 x brackets (pre-install half-height on NIC when shipping)
warranty	2 years	2 years

QXG-10G2TB

Dual-port 10 GbE five-speed PCIe Gen3 Muti-Gig network expansion card, the best choice for your high-speed network environment !

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