

QNAP

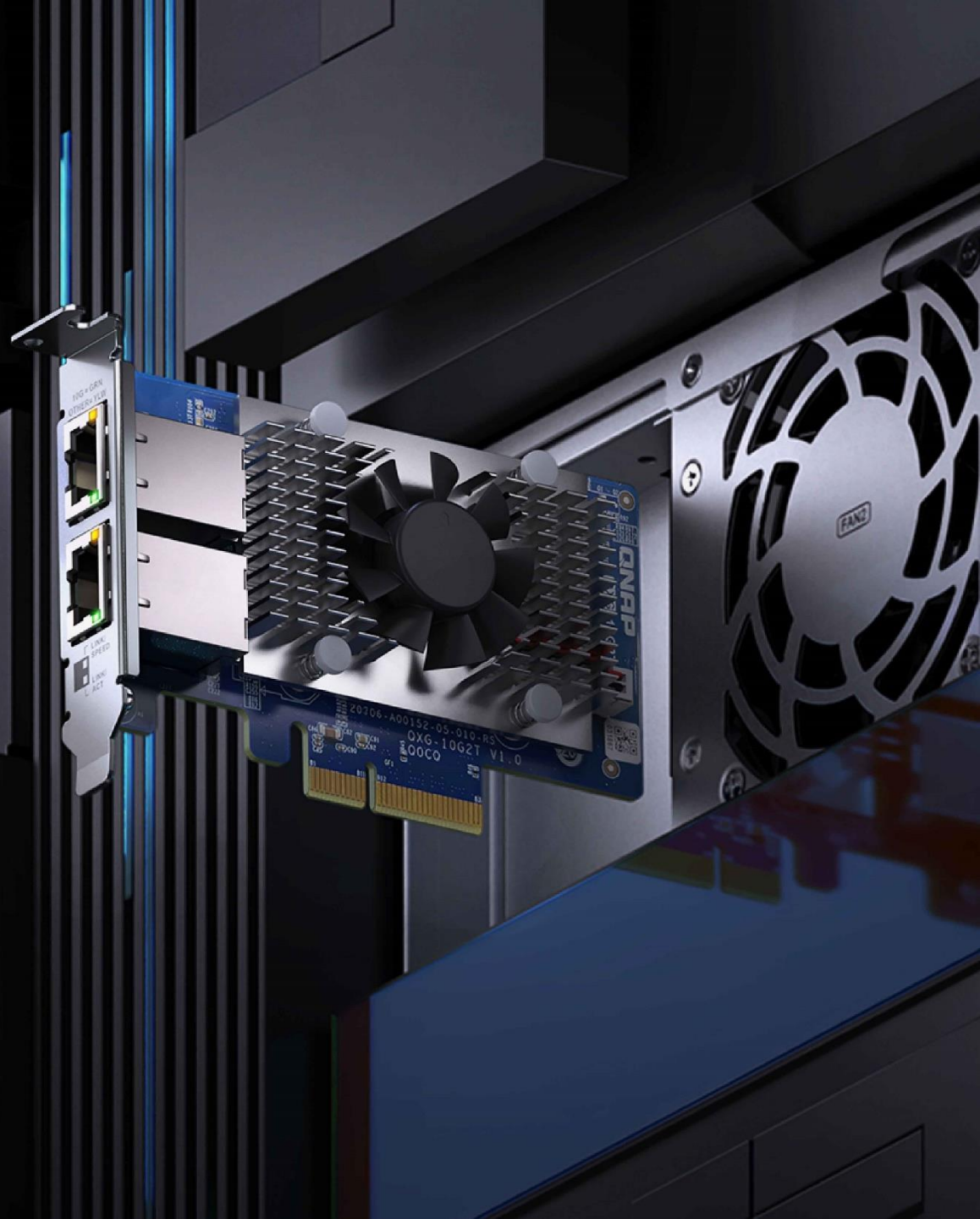
QXG-10G2T

**Dual-port, 5-speed 10GbE RJ45
network expansion card**

For team collaboration and super-fast
data transmission



Compatible with NAS and PC / Server

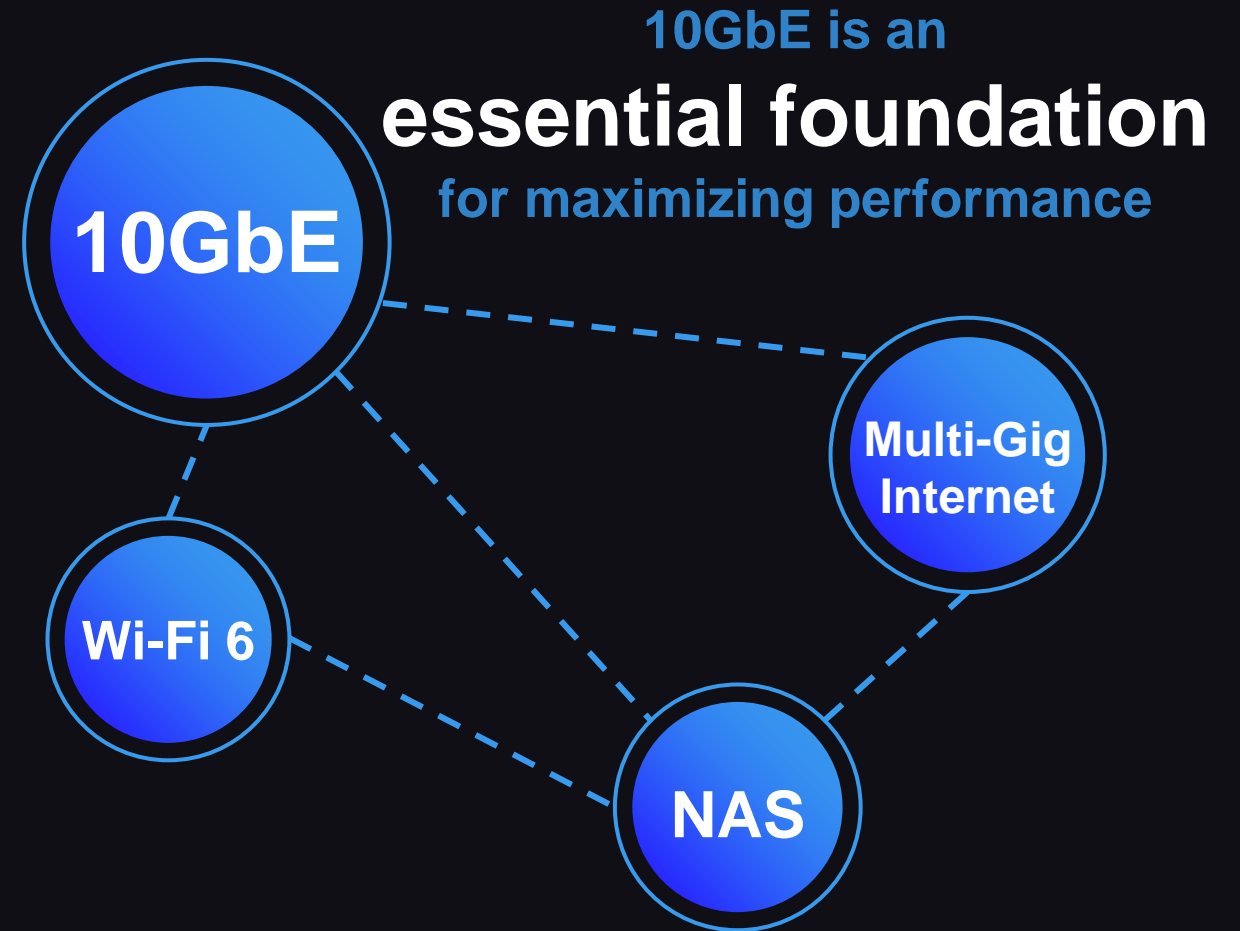


10GbE networks are already a necessity in business applications!

It's all about speed

10GbE delivers outstanding performance in small network environments

In a SMB or SOHO environment, tools such as Airdrop or Cloud Access make it easy to transfer files. However, when there are a large number of files, the wait time becomes longer and delays occur between devices, causing many people to still use USB to share large files. To address the long wait times caused by device latency or the inconvenience of using USB, we highly recommend upgrading to a 10GbE network for small network environments. A 10GbE network can open a large file in seconds, allowing you to easily share and collaborate with friends, and conveniently backup large files to your computer or NAS over the network in minutes, without the use of USB. Compared to a traditional 1Gbps network, all operations take 1/10th of the time, and 1/100th of the time compared to a 100Mbps network. If you're a Youtuber, an independent developer, or a user of large data transfers, upgrading to a 10GbE network is an option you won't want to miss. With the bandwidth provided by a 10GbE network, you can easily upload and centrally store your materials, program files, and valuable data to a NAS, providing you with a wide range of benefits that not only streamline your workflow, but also preserve the storage space of your workstations, which in turn saves waiting time and dramatically improves your work efficiency.



Many QNAP NAS models with 10GbE support

Enjoy higher speed with a QNAP 10GbE NAS. Upgrading your PC/server with 10GbE has become necessary for the optimal performance.

Nearly **40%** of QNAP NAS come with built-in 10GbE ports, including enterprise NAS, Thunderbolt NAS, high-end SMB, middle-range SMB, entry-level SMB, etc. When purchasing or upgrading a QNAP NAS for your business or studio, there is a very high chance that you will choose one of the above QNAP NAS series with built-in 10GbE ports, and it is essential to upgrade your other devices with 10GbE network to match the newly purchased QNAP NAS !!!!

Enterprise NAS



TVS-h1288X

High-end SMB



TVS-h1277XU-RP

Middle-range SMB



TS-855X

Entry-level SMB



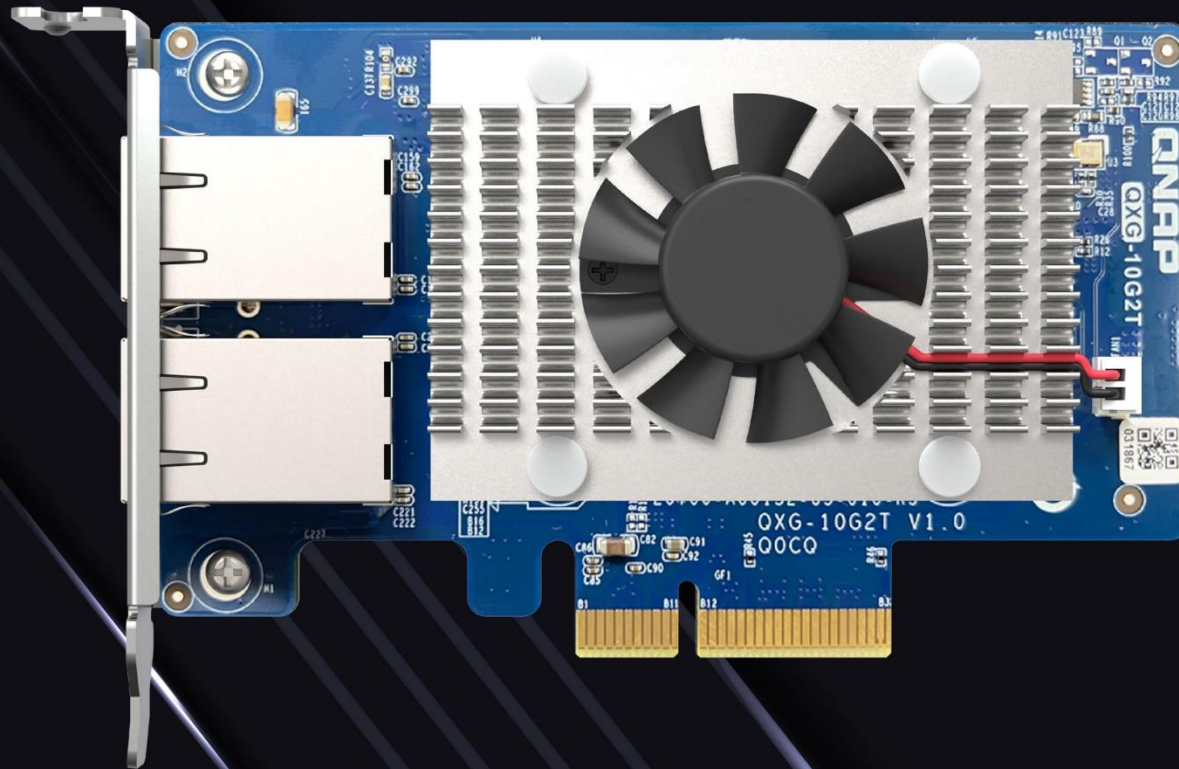
TS-832PXU-RP

Thunderbolt NAS



TVS-872XT

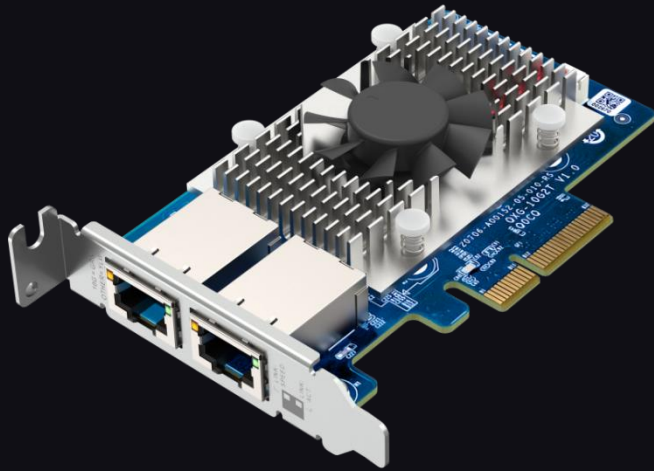
QNAP



Specifications

Easily build 10-gigabit high-speed intranets with RJ45 ports

QNAP new 10GbE high speed network card QXG-10G2T



Dual-Port 10GbE BASE-T Half Height Network Card

- 2 x RJ45 10GBASE-T
- 5-Speed 10/5/2.5/1GbE, 100Mb

QXG-10G2T

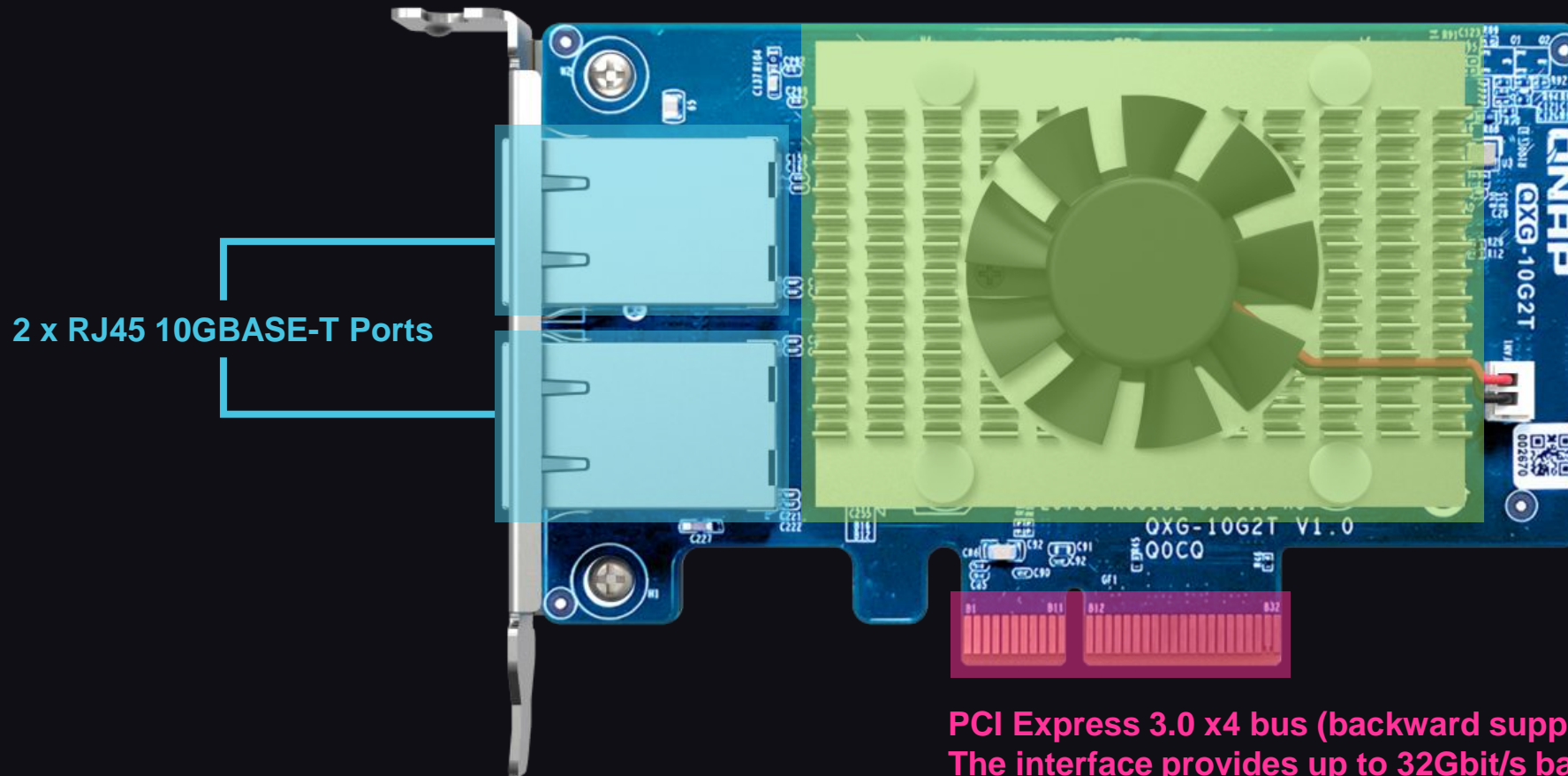


- Multi-Gig leading brand
- Powerful CPU offload
- Add high-speed 10GbE network ports to your QNAP NAS, Windows® and Ubuntu® computer/server

Marvell AQtion AQC107

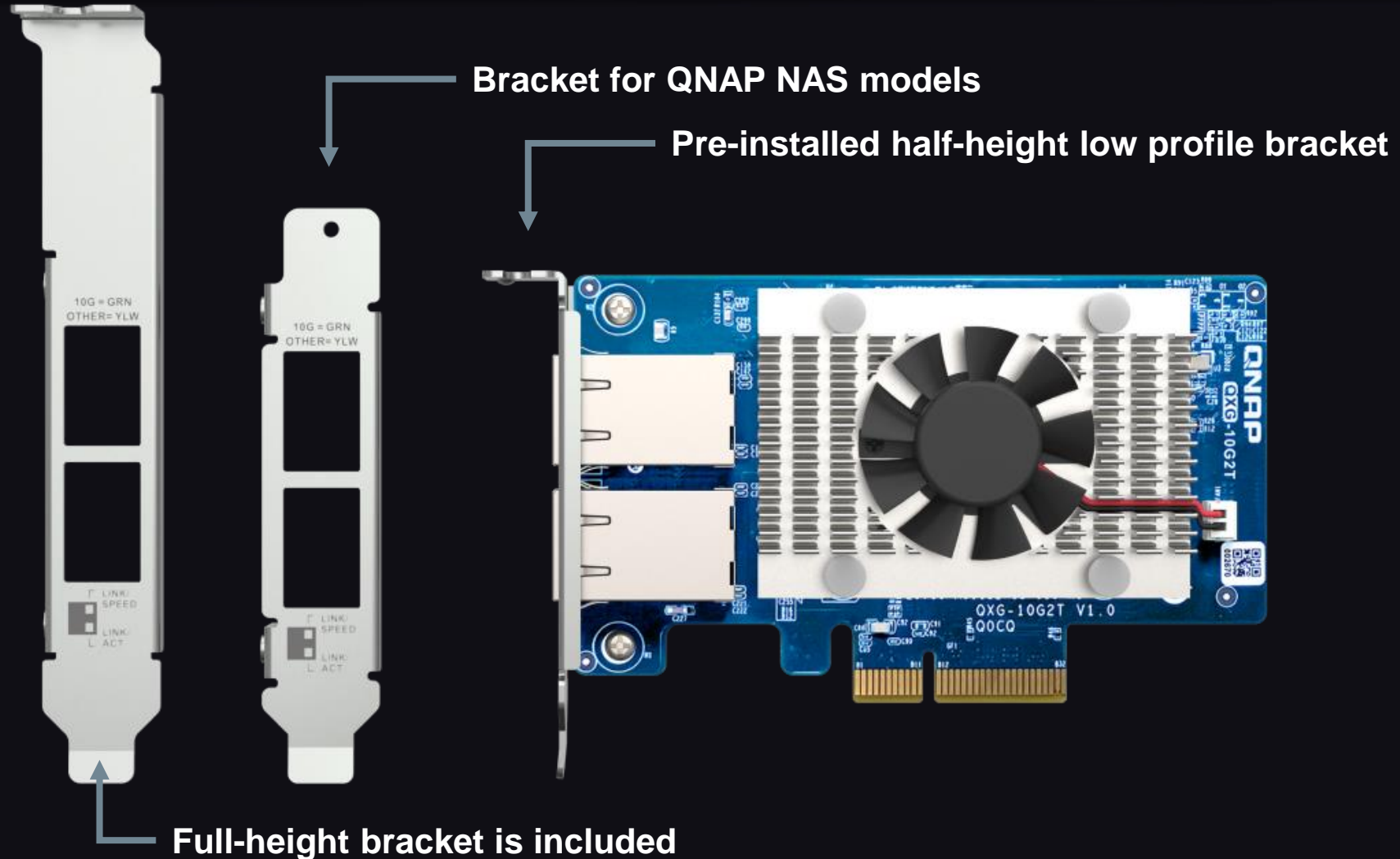
High-performance QXG-10G2T hardware design

Chip Cooling Module: Maximum contact area with the cooling fins, achieve the best heat dissipation effect.
Fan: Outperforms competing 10GbE NIC with heat-reducing fans to keep the platform cool.



PCI Express 3.0 x4 bus (backward support for PCI Express 2.0)
The interface provides up to 32Gbit/s bandwidth

QXG-25G2SF-E810 with various brackets for installation in any kind of NAS and PC/server chassis

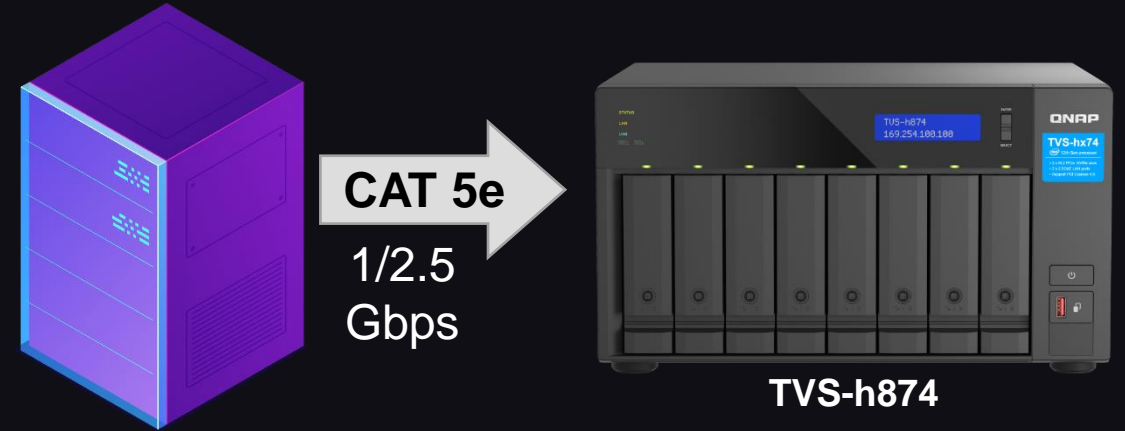


Easy upgrade to 10GbE network via RJ45 cable, support CAT 6 or higher-level cable for 10GbE

Recommend to use CAT 6 or higher level cable !
Support Multi-Gigabit

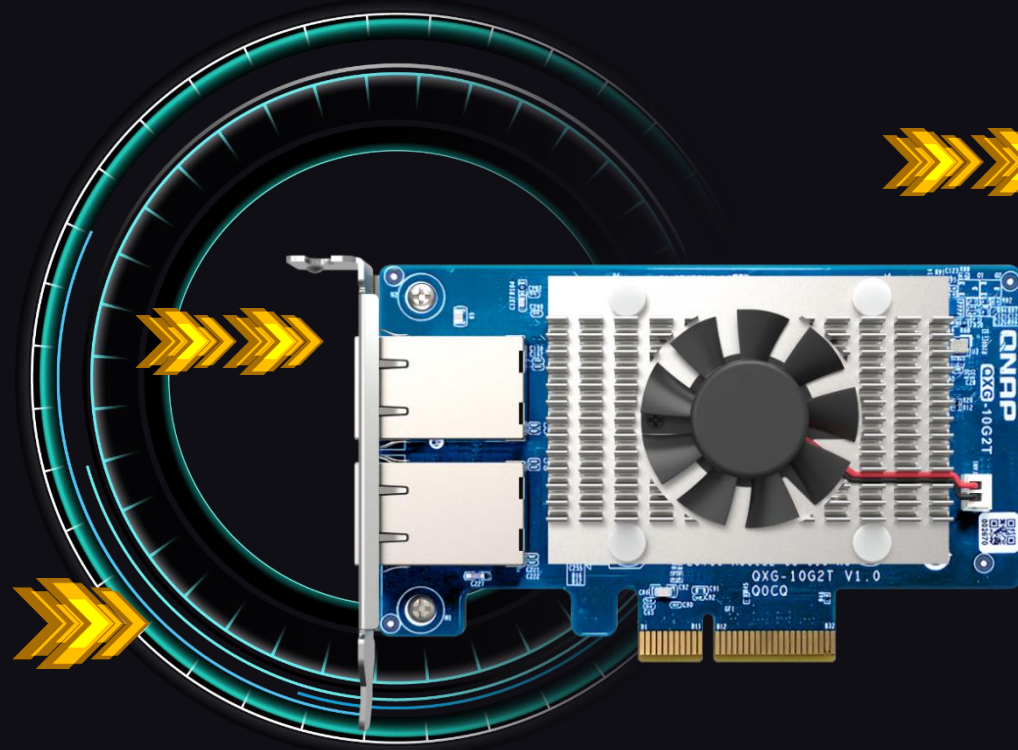
NBASE-T Industry Standard

	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



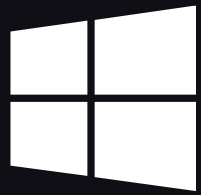
Offload features to low CPU utilization and enhance host performance

QXG-10G2T has powerful **CPU Offload**, which supports a variety of offload and checksum computing optimization techniques, reduces host CPU burden and improves network efficiency. This feature of QXG-10G2T plays an important role on environments that increasingly require high-performance networks and high packet volumes, helping you to increase throughput, reduce latency and optimize system performance.



QXG-10G2T delivers a **High-performance** experience at all times

Flexible development of 10GbE Multi-Gig in NAS, PC, Servers



Windows

Windows 10/11



ubuntu

Ubuntu 22.04 LTS



QTS 5.0.1
or later

QTS

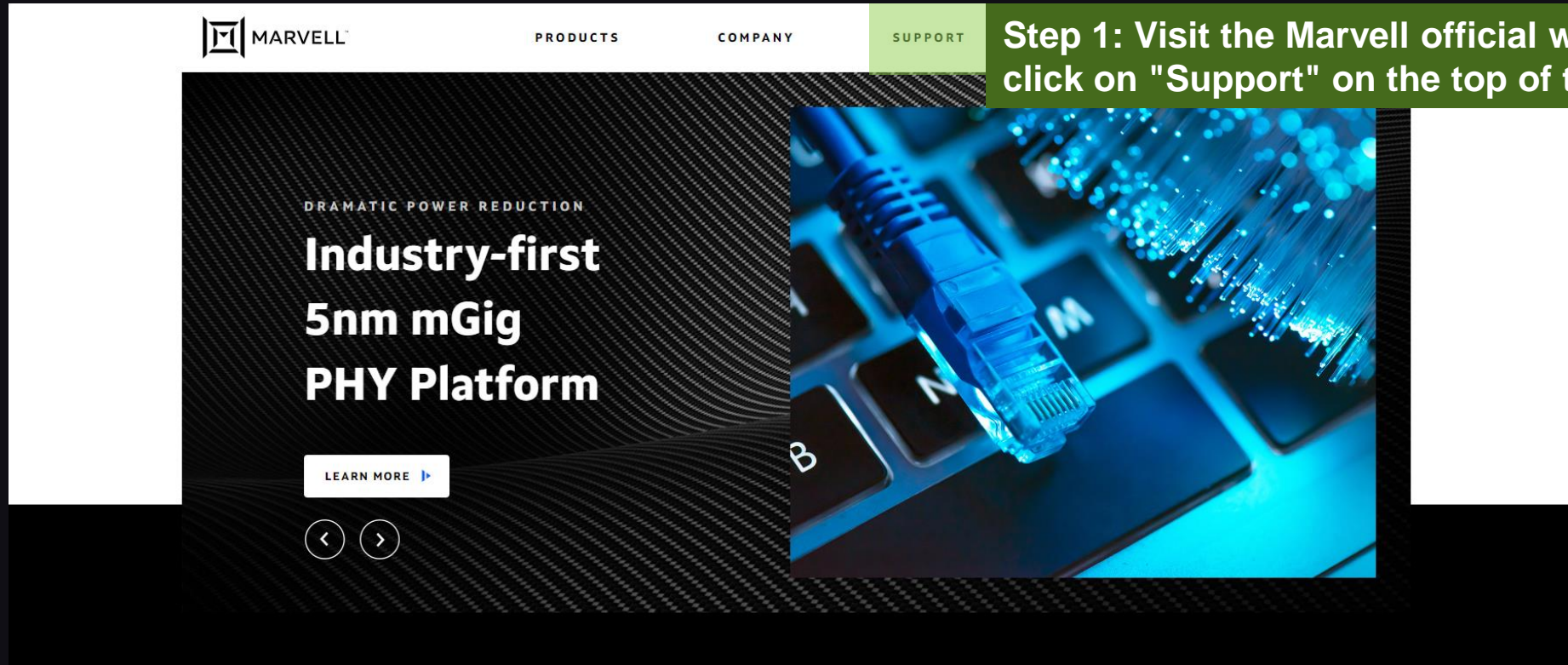


QuTS hero h5.0.1
or later

QuTS hero

Marvell official website NIC driver download

Windows 10/11 Driver Download

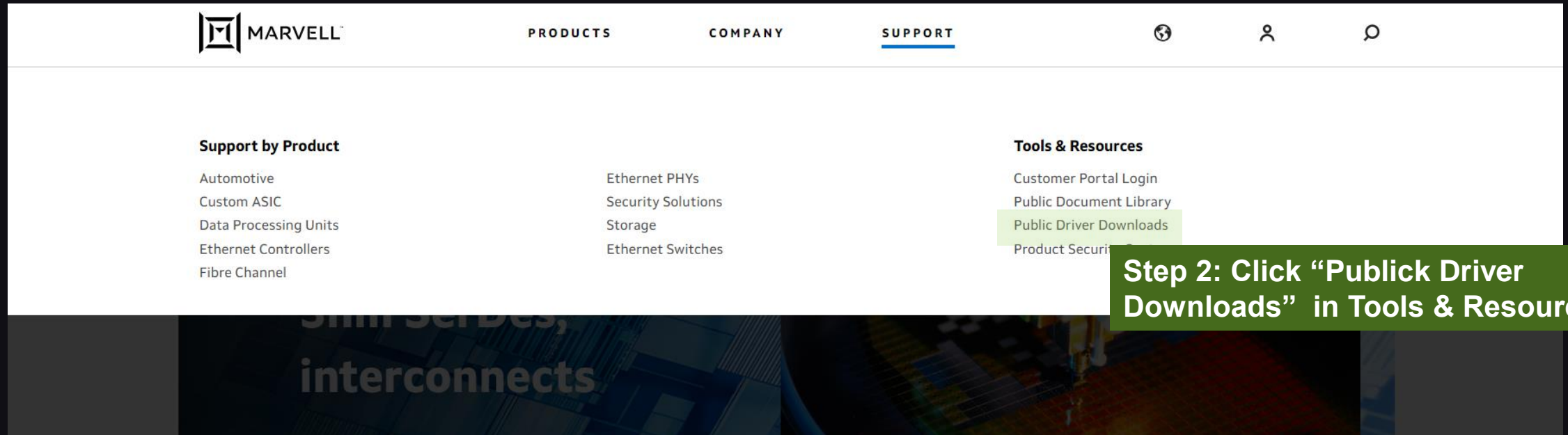


Step 1: Visit the Marvell official website and click on "Support" on the top of the page.

Marvell Official Website Address:
"https:// www.marvell.com"

Marvell official website NIC driver download

Windows 10/11 Driver Download



The screenshot shows the Marvell website's navigation bar with the logo on the left and menu items: PRODUCTS, COMPANY, and SUPPORT (which is underlined). On the right side of the navigation bar are icons for a globe, a user profile, and a search icon. Below the navigation bar, the page is divided into three columns. The left column is titled "Support by Product" and lists: Automotive, Custom ASIC, Data Processing Units, Ethernet Controllers, and Fibre Channel. The middle column lists: Ethernet PHYs, Security Solutions, Storage, and Ethernet Switches. The right column is titled "Tools & Resources" and lists: Customer Portal Login, Public Document Library, Public Driver Downloads (highlighted with a green background), and Product Security. A green callout box with white text is overlaid on the right side of the page, pointing to the "Public Driver Downloads" link. The background of the page features a dark image of a circuit board with the text "SERIES, interconnects" visible.

MARVELL

PRODUCTS COMPANY SUPPORT

Support by Product

- Automotive
- Custom ASIC
- Data Processing Units
- Ethernet Controllers
- Fibre Channel

Ethernet PHYs
Security Solutions
Storage
Ethernet Switches

Tools & Resources

- Customer Portal Login
- Public Document Library
- Public Driver Downloads
- Product Security

Step 2: Click “Public Driver Downloads” in Tools & Resources.

SERIES,
interconnects

Marvell official website NIC driver download

Windows 10/11 Driver Download

MARVELL

PRODUCTS COMPANY SUPPORT

Number.

Support > Public Driver Downloads

Marvell Drivers

This website now contains the Classic FastLinQ Ethernet NICs and QLogic Fibre Channel HBAs

For a reference to QLogic Fibre Channel Software Posting Matrix by [Click here.](#)

Step 3: Select "Marvell Public Drivers" in CATEGORY section.

CATEGORY

CHOOSE A CATEOGRY

- CHOOSE A CATEOGRY
- FIBRE CHANNEL ADAPTERS
- CONVERGED NETWORK ADAPTERS
- MARVELL PUBLIC DRIVERS**
- INTELLIGENT ETHERNET ADAPTERS

KEYWORDS

Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.

Advanced Search

APPLY CLEAR

Please enter your search criteria and click the Apply button.

Marvell official website NIC driver download

Windows 10/11 Driver Download

Number.

MARVELL[®] PRODUCTS COMPANY SUPPORT

Support > Public Driver Downloads

Marvell Drivers

This website now contains the Classic FastLinQ Ethernet NICs and QLogic Fibre Channel HBAs

For a reference to QLogic Fibre Channel Software Posting Matrix by [Click here.](#)

CATEGORY
MARVELL PUBLIC DRIVERS

PART NUMBER
CHOOSE A PART NUMBER

PLATFORM/OS
CHOOSE A PLATFORM
NETWARE
LINUX
WINDOWS
FREEBSD
MAC OS
UNIX

Advanced Search

APPLY CLEAR

Step 4: Select “Windows” in PLATFORM/OS section.

Marvell official website NIC driver download

Windows 10/11 Driver Download

The screenshot shows the Marvell website's public driver download page. At the top, there is a navigation bar with the Marvell logo, 'PRODUCTS', 'COMPANY', and 'SUPPORT' links, along with icons for globe, user, and search. Below the navigation bar is a large banner image with a blue and white abstract pattern of light trails. A black rectangular box is overlaid on the left side of the banner, containing the text 'Number.'.

Below the banner, the breadcrumb navigation reads 'Support > Public Driver Downloads'. The main content area features a search form with a dropdown menu for 'PART NUMBER' and a text input field for 'KEYWORDS'. The dropdown menu is open, showing a list of part numbers: 88E8055, 88E8056, 88E8057, 88E8059, 88E8061, 88E8062, 88E8070, 88E8071, 88E8072, 88E8075, 88EC033, 88EC036, AQC100, **AQC107**, AQC108, AQC111U, AQC112U, AQN-100, AQN-107, and AQN-108. The 'AQC107' option is highlighted. Below the dropdown is a button labeled 'CHOOSE A PART NUMBER'. To the right of the dropdown, there is a text input field for 'KEYWORDS' with the placeholder text 'Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.'. Below the 'KEYWORDS' field is a button labeled 'Advanced Search'. At the bottom of the search form, there are two buttons: 'APPLY' and 'CLEAR'.

Step 5: Select "AQC107" in PART NUMBER section and apply.

and QLogic Fibre Channel HBAs
fix by [Click here.](#)

PLATFORM/OS
WINDOWS

KEYWORDS
Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.

Advanced Search

APPLY CLEAR

Marvell official website NIC driver download

Windows 10/11 Driver Download

For a reference to QLogic Fibre Channel Software Posting Matrix by [Click here](#).

CATEGORY: MARVELL PUBLIC DRIVERS

PLATFORM/OS: WINDOWS

PART NUMBER: AQC107

KEYWORDS: Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.

Advanced Search

APPLY CLEAR

3 Results Found Results per page 25

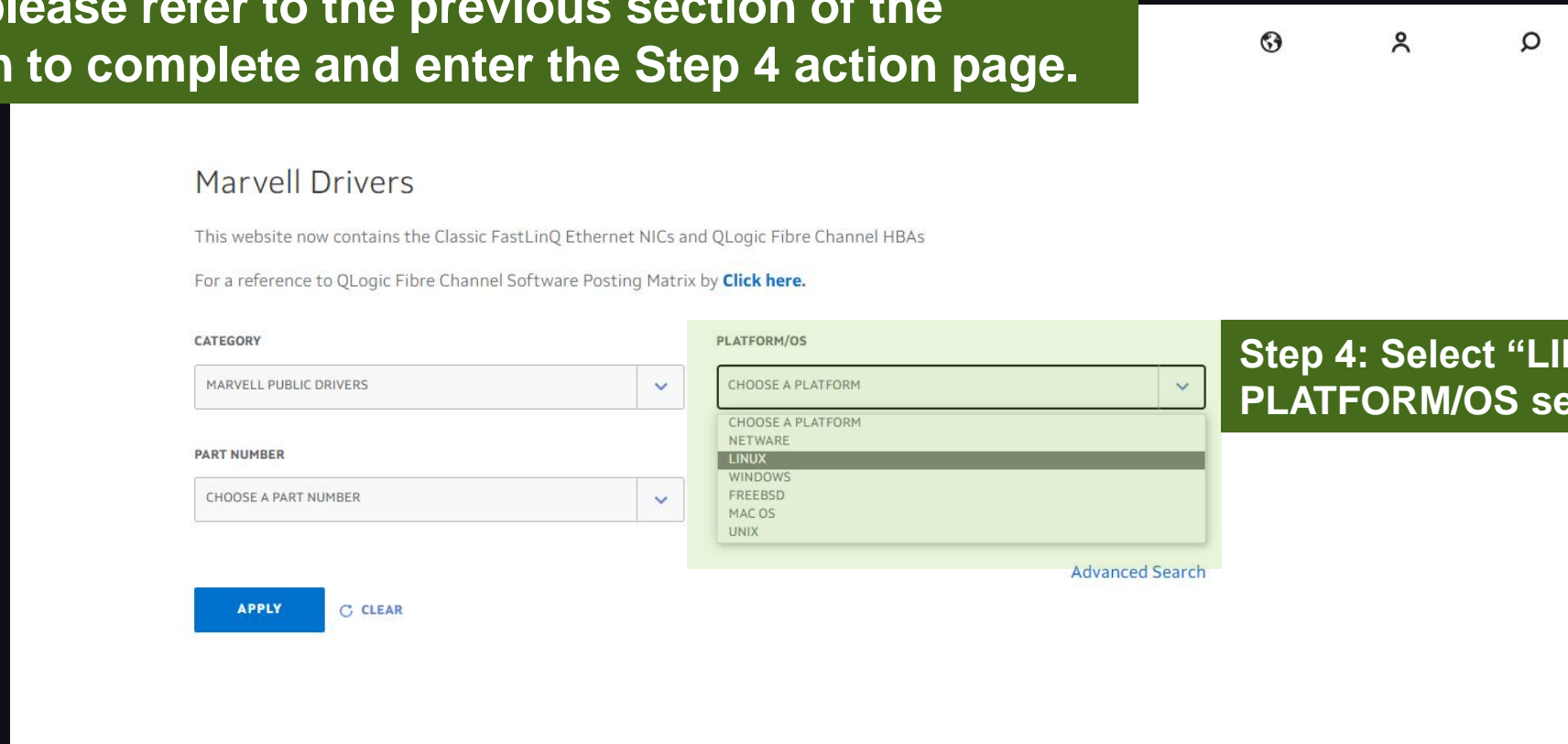
DATE	DESCRIPTION	CATEGORY	OS	TYPE	VERSION	DOWNLOAD
01/09/23	Marvell AQtion Windows 64-bit Driver Marvell AQtion Windows 10 and 11 64-bit Driver	Marvell Public Drivers	windows-10-64-bit-driver	Drivers	3.1.7	Download
10/07/21	Marvell AQtion Firmware updater Utility Windows based firmware updater utility	Marvell Public Drivers	windows-10-64-bit-driver, windows-10-32-bit-driver	Drivers	1.8.0_3.1.121 a	Download
02/07/20	Marvell AQtion Windows 32-bit Driver Marvell AQtion Windows 7, 8, 8.1, and 10 32-bit driver	Marvell Public Drivers	windows-8, windows-7-x86-32-bit, windows-10-32-bit-driver	Drivers	2.1.20	Download

Step 6: After applying the search criteria, you will see Results Found at the bottom, click "Marvell AQtion Windows 10 and 11 64-bit Driver" to download and install the driver, and then you can use the QXG-10G2T Network Expansion Card in Windows 10/11 OS.

Marvell official website NIC driver download

Ubuntu Driver Download

Step 1 to Step 3 are the same as the Windows 10/11 driver download, please refer to the previous section of the presentation to complete and enter the Step 4 action page.



The screenshot shows the Marvell Drivers website interface. At the top, there are navigation icons for home, user profile, and search. The main heading is "Marvell Drivers". Below it, a message states: "This website now contains the Classic FastLinQ Ethernet NICs and QLogic Fibre Channel HBAs". A link is provided for a "QLogic Fibre Channel Software Posting Matrix" with the text "Click here".

The search filters are as follows:

- CATEGORY:** A dropdown menu with "MARVELL PUBLIC DRIVERS" selected.
- PART NUMBER:** A dropdown menu with "CHOOSE A PART NUMBER" selected.
- PLATFORM/OS:** A dropdown menu with "CHOOSE A PLATFORM" selected. The dropdown is open, showing a list of options: "CHOOSE A PLATFORM", "NETWARE", "LINUX" (highlighted), "WINDOWS", "FREEBSD", "MAC OS", and "UNIX".

At the bottom of the filter section, there are two buttons: "APPLY" (in a blue box) and "CLEAR" (with a circular refresh icon). To the right of the filter section, there is a link for "Advanced Search".

Step 4: Select "LINUX" in PLATFORM/OS session.

Marvell official website NIC driver download

Ubuntu Driver Download

MARVELL™ PRODUCTS COMPANY SUPPORT

🏠 > Support > Public Driver Downloads

88E8055
88E8056
88E8057
88E8059
88E8061
88E8062
88E8070
88E8071
88E8072
88E8075
88EC033
88EC036
AQC100
AQC107
AQC108
AQC111U
AQC112U
AQN-100
AQN-107
AQN-108

CHOOSE A PART NUMBER

Step 5: Select “AQC107” in PART NUMBER section and apply.

and QLogic Fibre Channel HBAs

ix by [Click here.](#)

PLATFORM/OS

LINUX

KEYWORDS

Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.

Advanced Search

APPLY CLEAR

Marvell official website NIC driver download

Ubuntu Driver Download

MARVELL PRODUCTS COMPANY SUPPORT

Marvell Drivers

This website now contains the Classic FastLinQ Ethernet NICs and QLogic Fibre Channel HBAs

For a reference to QLogic Fibre Channel Software Posting Matrix by [Click here](#).

CATEGORY MARVELL PUBLIC DRIVERS

PLATFORM/OS LINUX

PART NUMBER AQN-107

KEYWORDS Example: RHEL 9.0, Boot code, management tools,documentations, 4.1.57 etc.

[Advanced Search](#)

APPLY [CLEAR](#)

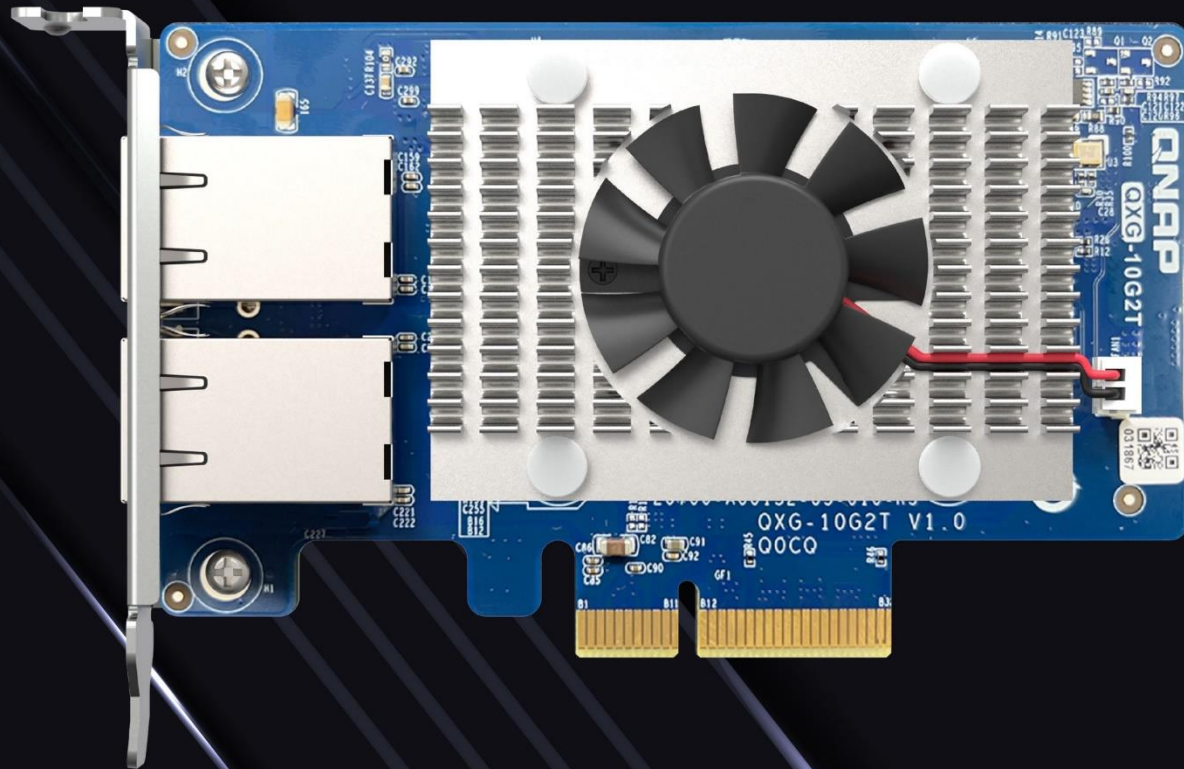
1 Results Found Results per page 25

DATE	DESCRIPTION	CATEGORY	OS	TYPE	VERSION	DOWNLOAD
05/02/23	Marvell AQtion Linux driver Marvell AQtion Linux driver	Marvell Public Drivers	Linux	Drivers	2.5.6	Download

Step 6: After applying the search criteria, you will see Results Found at the bottom, click "Marvell AQtion Linux Driver" to download and install the driver, you can use QXG-10G2T network expansion card in Ubuntu OS.

QXG-10G2T 享有 2 年的免費產品保固

QNAP



QXG-10G2T

comes with a free

3-year product warranty

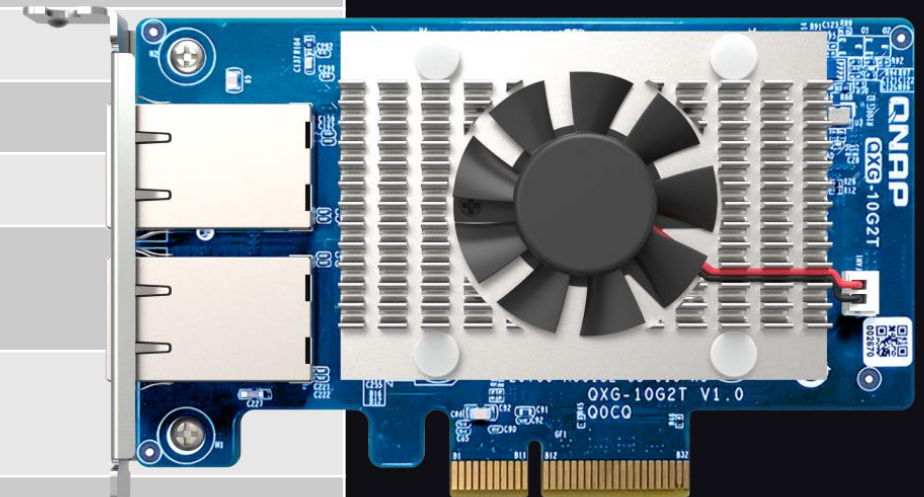
More information: [QNAP Warranty Service](#)

QNAP-Warranty Service Official Website

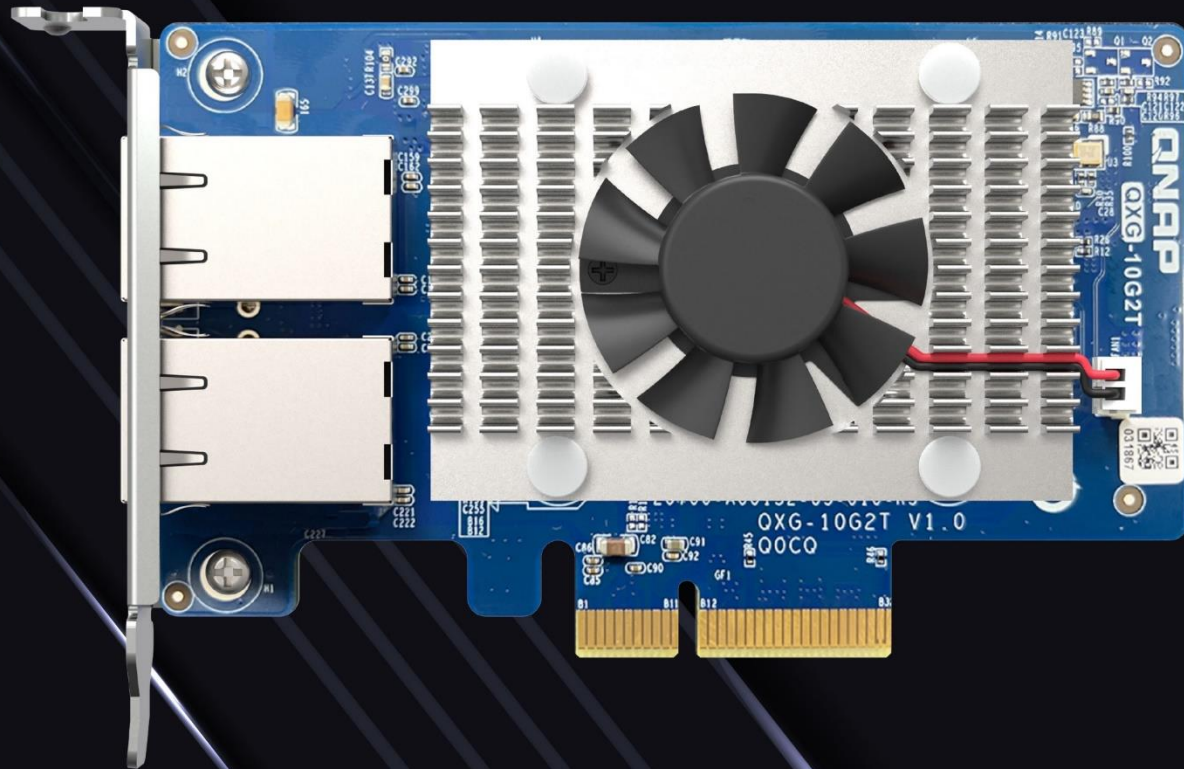
<https://www.qnap.com/service/product-warranty/go/>

QXG-10G2T product specs

QXG-10G2T	
Network Controller	Marvell AQtion AQC107
Transmission Speed	10/5/2.5/1GbE, 100M
Type of Port	NBASE-T ; RJ45
Number of Ports	2
Support for QNAP OS	QTS 5.0.1 or Later Updated Version QuTS 5.0.1 or Later Updated Version
Support for other OS	Windows® (Driver installation required) Ubuntu® (Driver installation required)
PCIe Interface	PCI Express 3.0 x 4
Package Content	1 x QXG-10G2T 1 x QIG (Quick Installation Guide) 3 x Bracket (Pre-installed half-height low profile bracket)
Year of Warranty	3 year

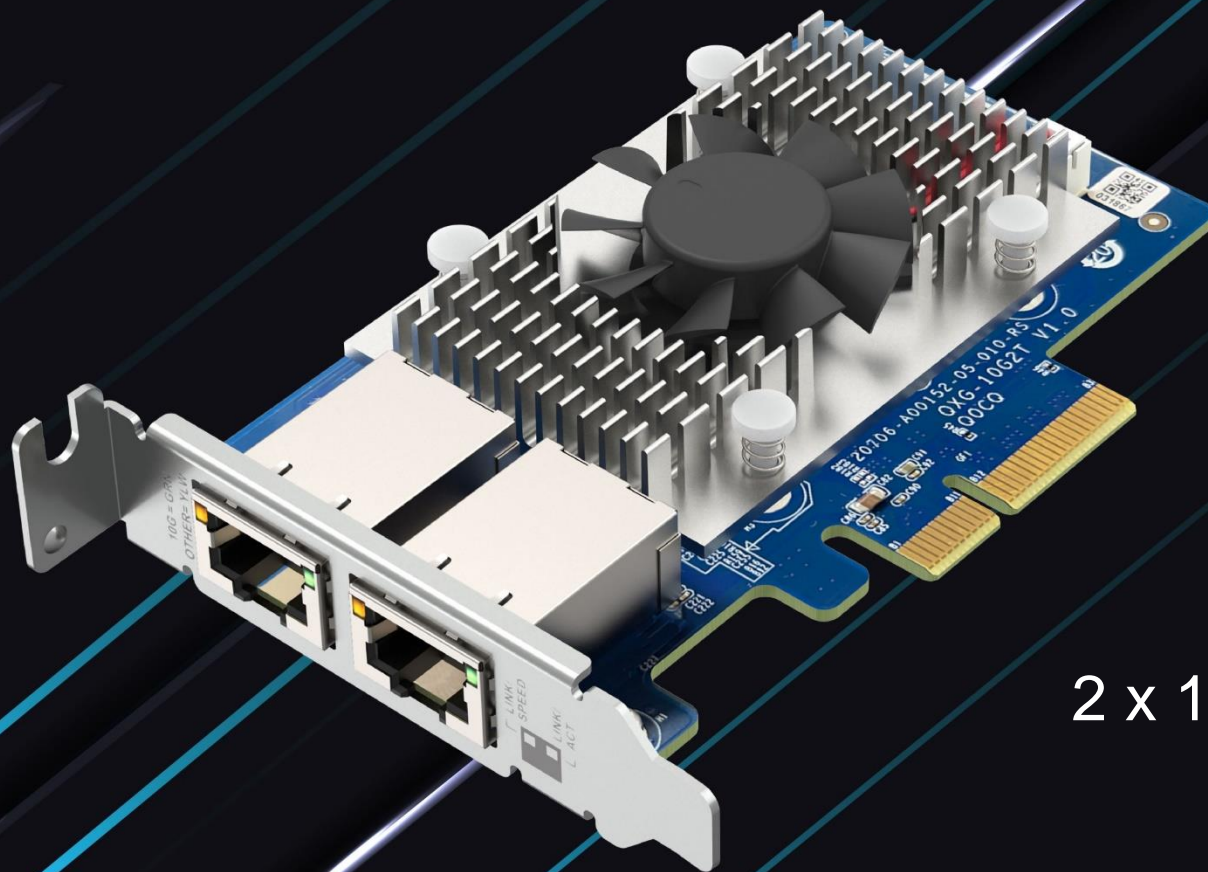


QNAP



QXG-10G2T Performance Test

QNAP

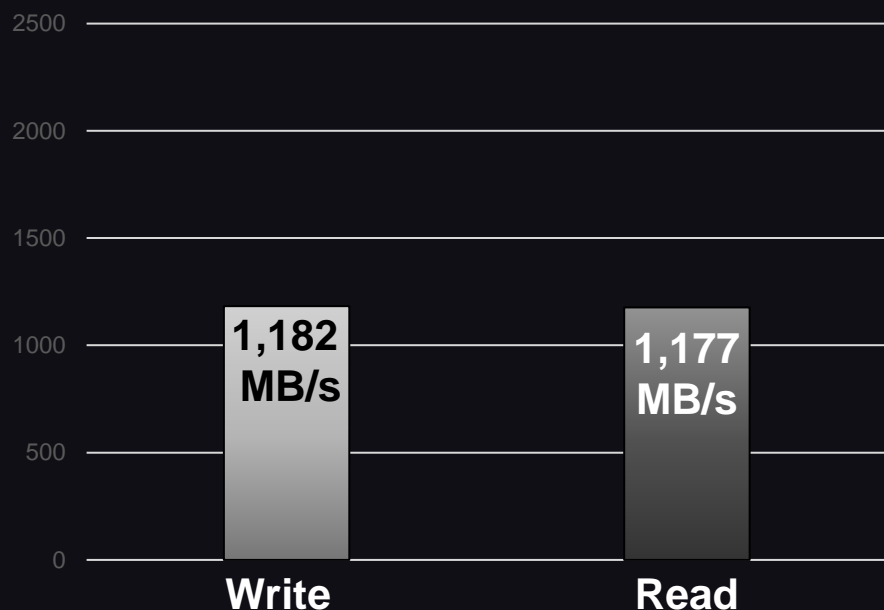


LIVE DEMO

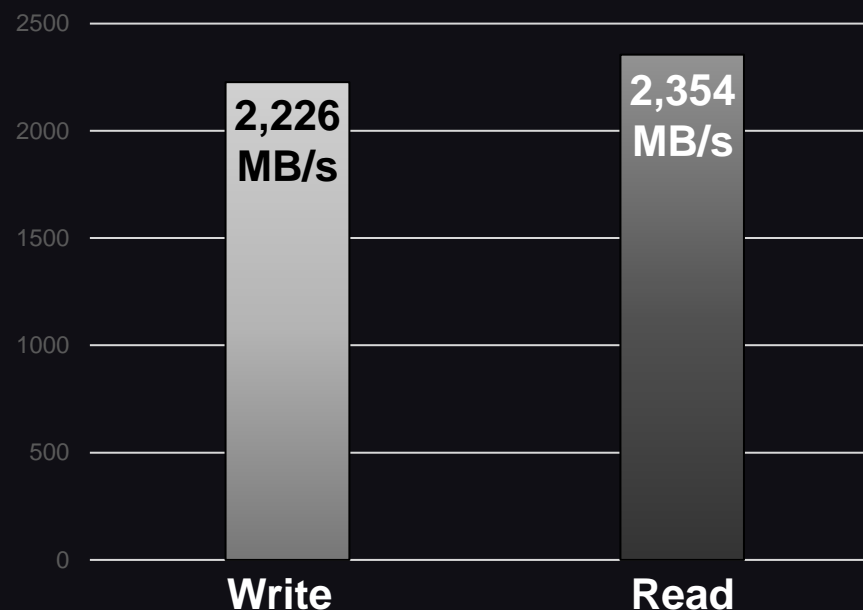
2 x 10GbE SMB Sequential Throughput

Up to 1000+MB/s read/write performance, transferring files/backups in a snap

**1 x 10GbE SMB
Sequential Throughput (1MB)**



**2 x 10GbE SMB
Sequential Throughput (1MB)**



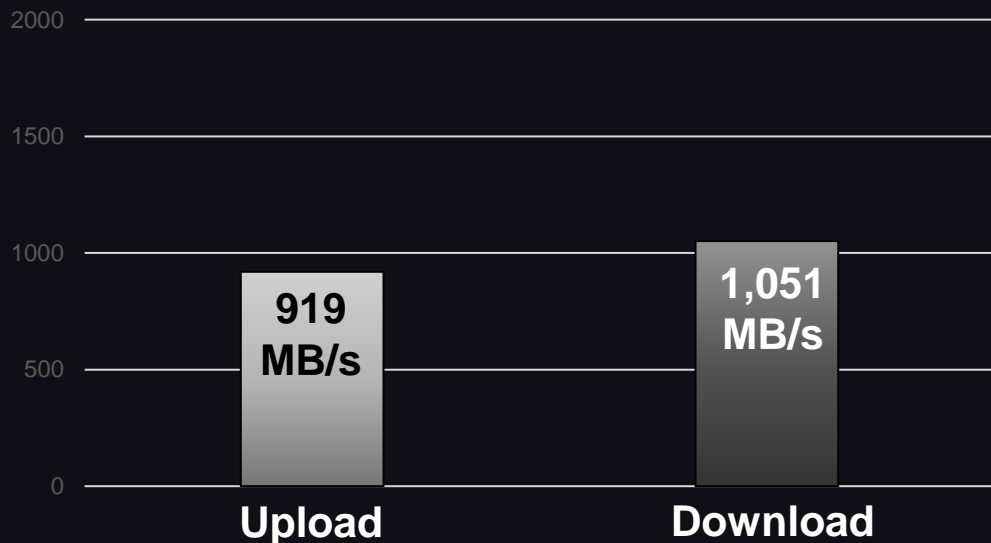
TS-855X

Test Environment:

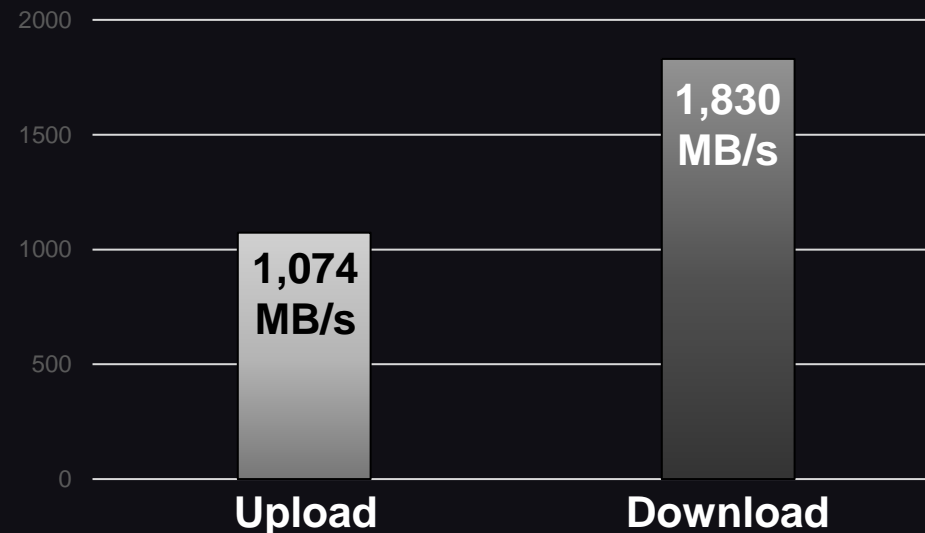
- NAS: TS-855X
- CPU: Intel Atom® C5125 processor, Max 2800 MHZ (8C, 8T)
- Volume type: Raid 5, Samsung 870 EVO 1TB x8
- Client PC: Windows Server 2022, AMD EPYC 7302P 16-Core Processor 2.9Ghz, 96GB RAM

Large file transfer speed is also impressive

**1 x 10GbE Windows
File Drag (10GB)**



**2 x 10GbE Windows
File Drag (10GB)**

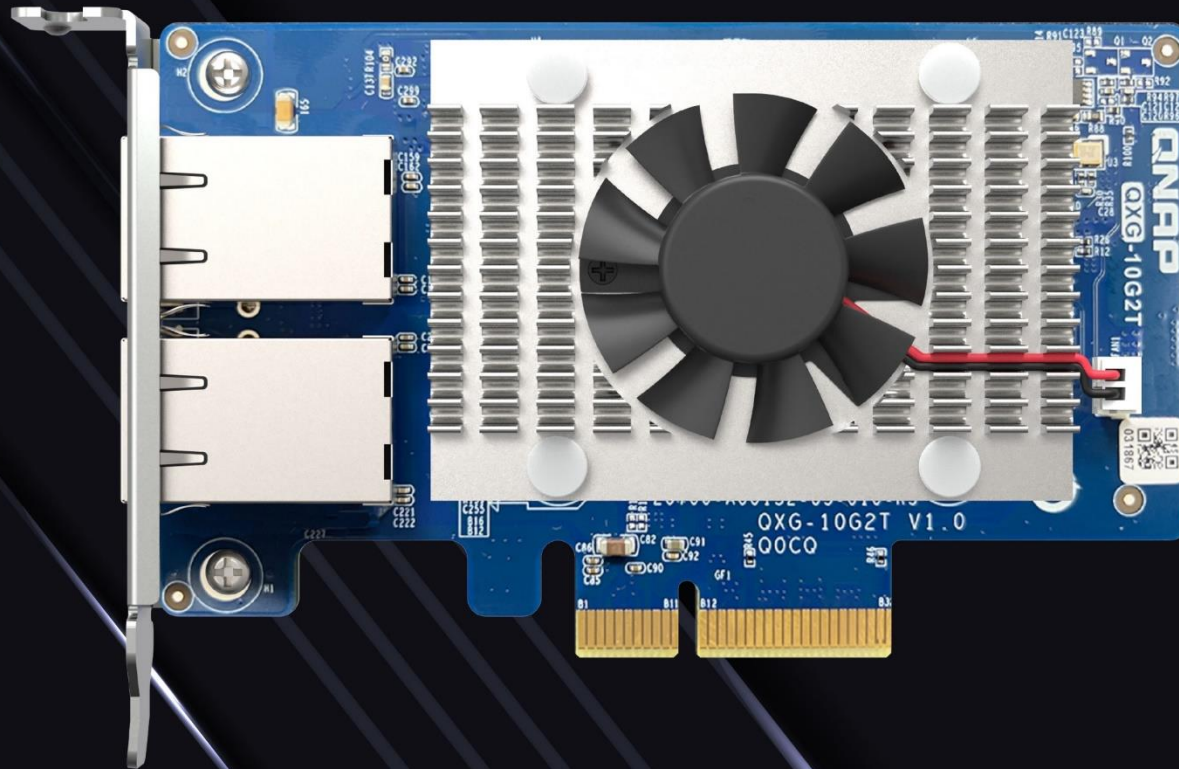


TS-855X

Test Environment:

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- Client PC: Windows Server 2022, AMD EPYC 7302P 16-Core Processor 2.9Ghz, 96GB RAM

QNAP



QNAP Solutions

Multiple QNAP high-speed solutions and build a high-speed network environment

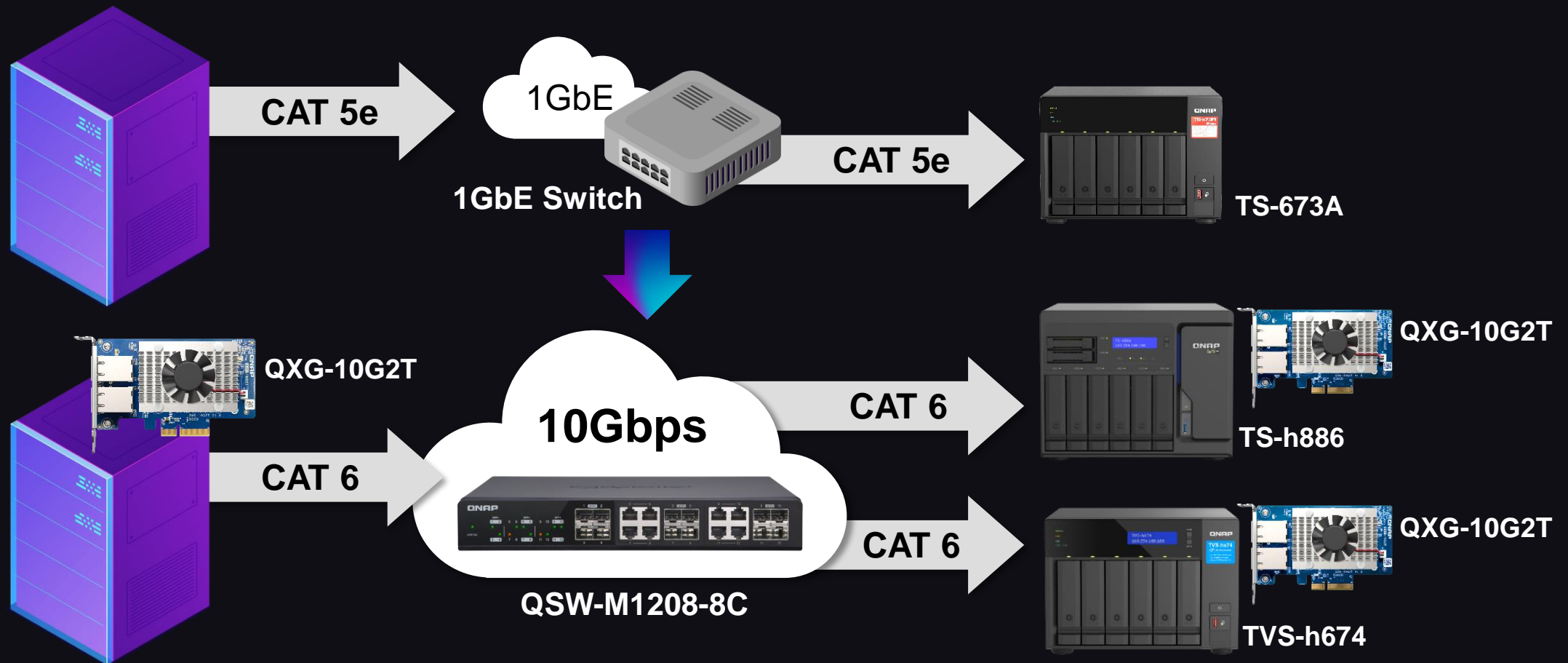
Build a high-Speed hybrid network architecture with a Qhora-301W SD-WAN Wi-Fi 6 router

Build a high-speed hybrid network configuration with the QHora-301W, supporting high-speed Wi-Fi 6 wireless transmission and 10GbE wired network, as well as providing enterprise-grade SD-WAN VPN networking capability, which can be deployed at one time through the cloud for multi-site LAN networking, satisfying the multiple needs of remote, wireless, and wired connectivity of the enterprise's new-age network architecture, and rapidly building private networks at multiple sites, significantly saving IT manpower and management costs.

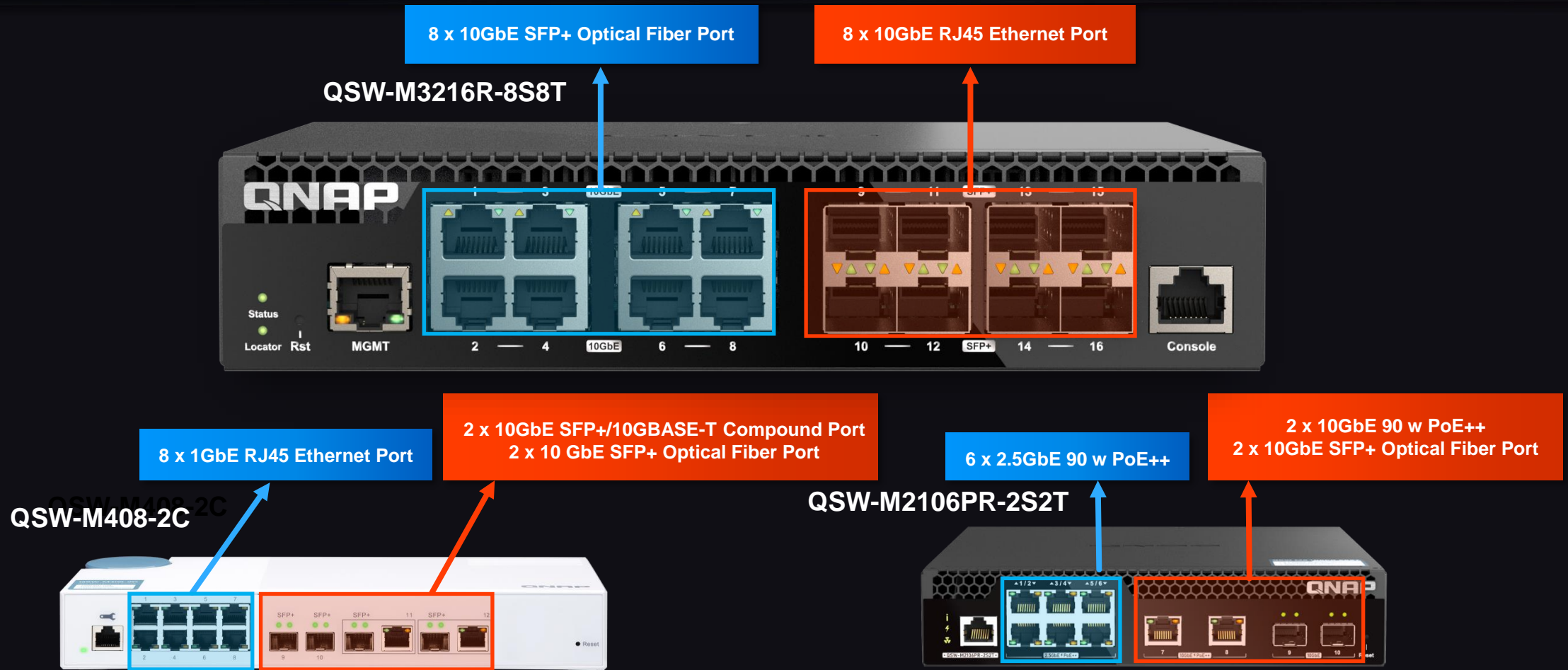


PC / Workstation economical speed up choice

QNAP diverse product lines enable you to quickly upgrade from a 1GbE network environment to 10GbE. Allowing you to quickly add high-speed 10GbE ports to QNAP NAS, Windows® and Ubuntu® computers/server, accelerating large-size sharing and intensive data transfers for high-bandwidth applications.



Select from a variety of QNAP managed 10GbE network switches, Create multiple 10GbE high-speed collaborative aggregation networks



More QNAP Switch with 10GbE Network Speed Support

QNAP QNA Series Adapter



Host with **Thunderbolt 3**

- 10G/1G dual speed
- SFP+ port

QNA-T310G1S



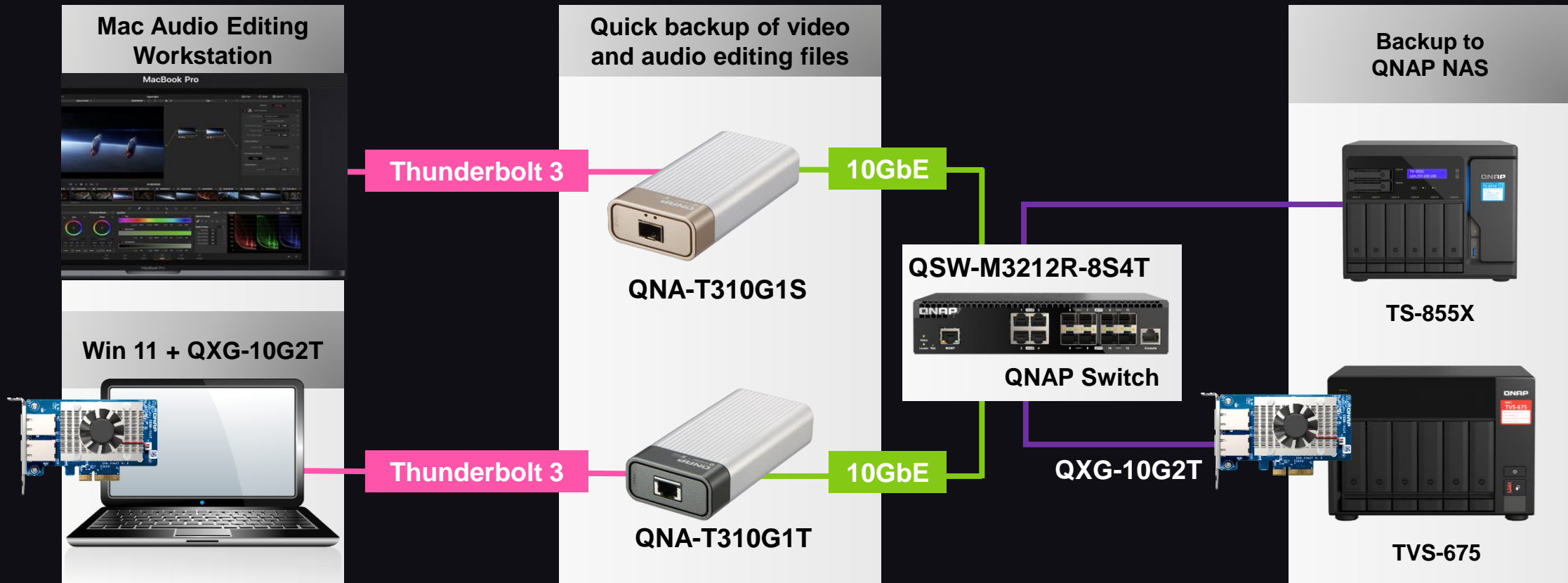
Host with **Thunderbolt 3**

- 10G/5G/2.5G/1G/100M five speed
- RJ-45 NBASE-T port

QNA-T310G1T

MAC / Windows laptop speed up solution

QNAP offers a wide range of accessories, so even if your device doesn't have a network port, there's a corresponding adapter to quickly upgrade your network environment to 10GbE. Equip with QNAP NAS and switch, let audio editors and other collaborative teams can also enjoy high-speed storage services.



Versatile QNAP NAS with optional 10GbE NIC support for high-speed network transmission



TS-h886



TS-h686



TS-AI642



TS-873A



TVS-h874



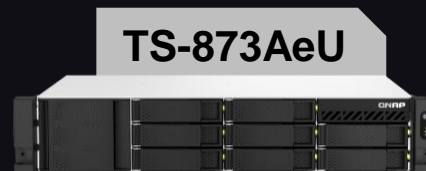
TVS-h674



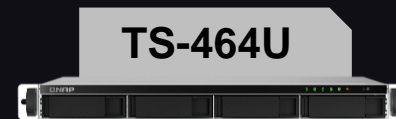
TVS-h474



TVS-675



TS-873AeU



TS-464U

More QNAP NAS with
QXG-10G2T Support

QNAP

QXG-10G2T

Efficient and Cost-effective Dual Port
10GBASE-T 5-Speed Network Expansion Card



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