

QNAP

QXG-10G2T-X710

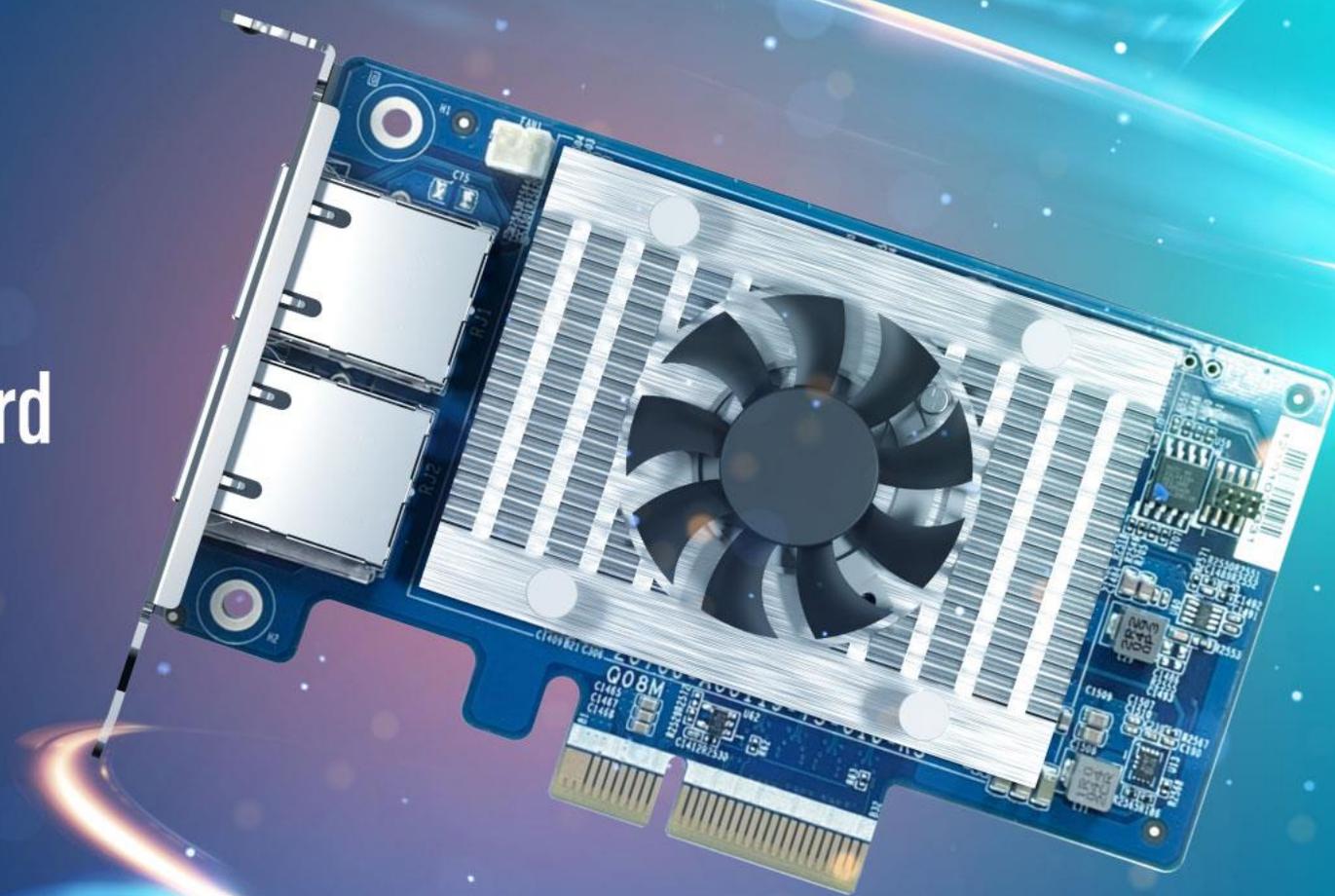
The dual port 10GbE network card

Supports SR-IOV, iSCSI, and multiple virtual disk modes

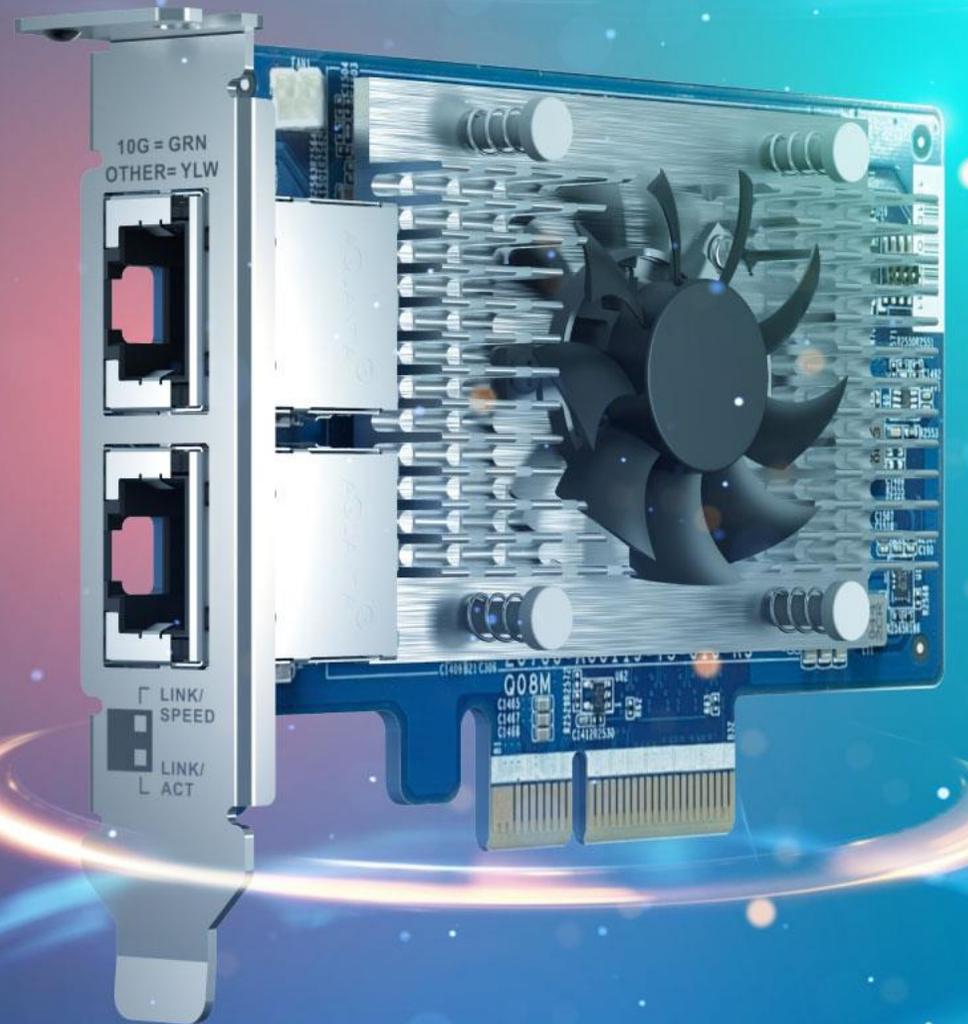
intel[®]



5-speed



Build your 10G
environment with
NEW QNAP NIC

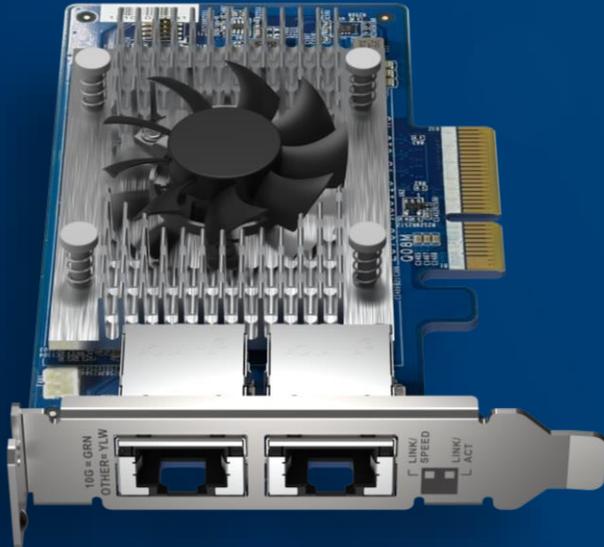


QNAP New 10GbE Network Interface Card QXG-10G2T-X710

QXG-10G2T-X710

Dual-port 10GbE BASE-T low profile NIC

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



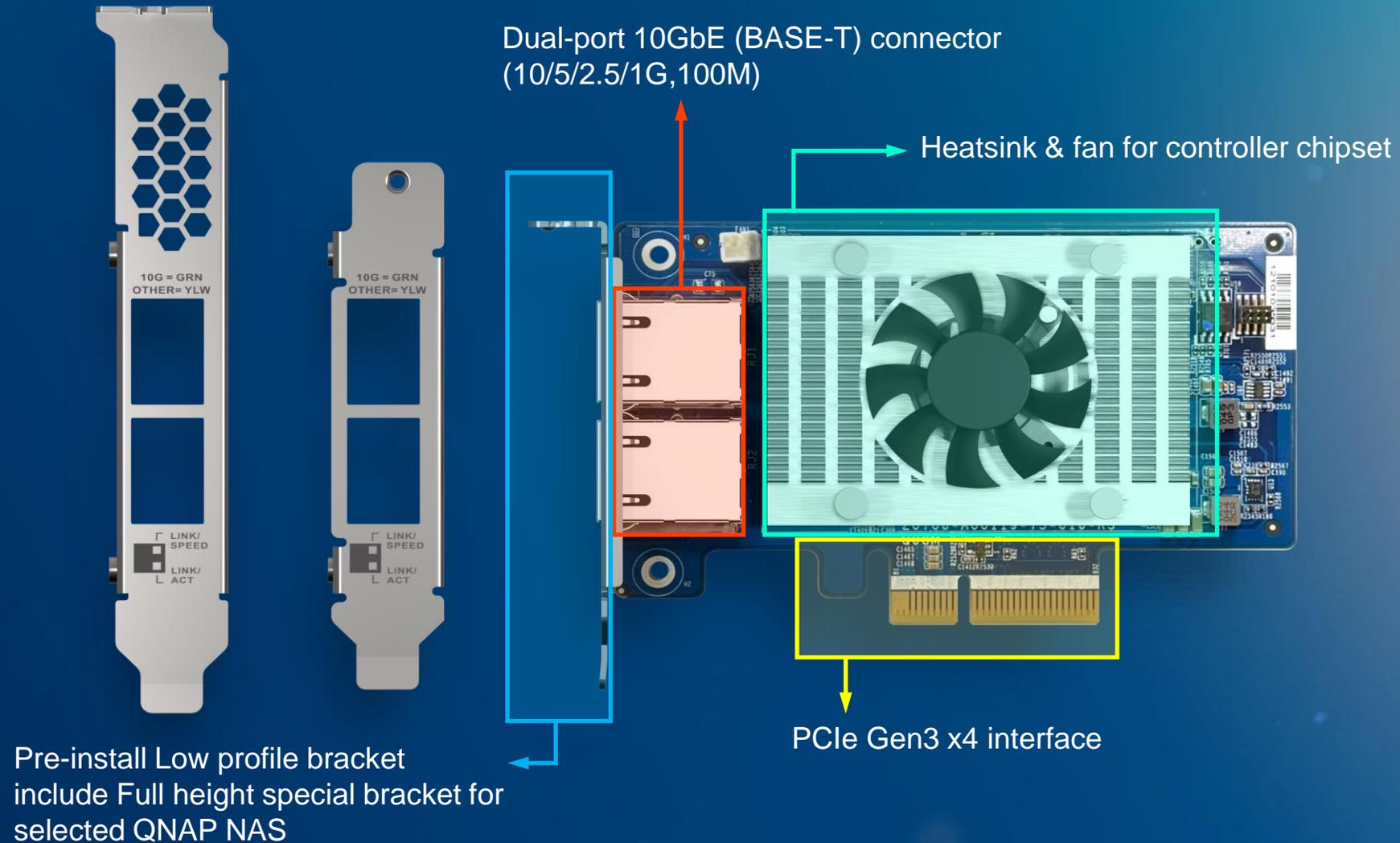
Intel

Ethernet Controller 700

- SR-IOV
- Intel® Data Direct I/O Technology

The Intel logo, consisting of the word "intel" in a lowercase, sans-serif font with a small blue square above the letter "i", followed by a registered trademark symbol (®).

QXG-10G2T-X710 10GbE NIC overview

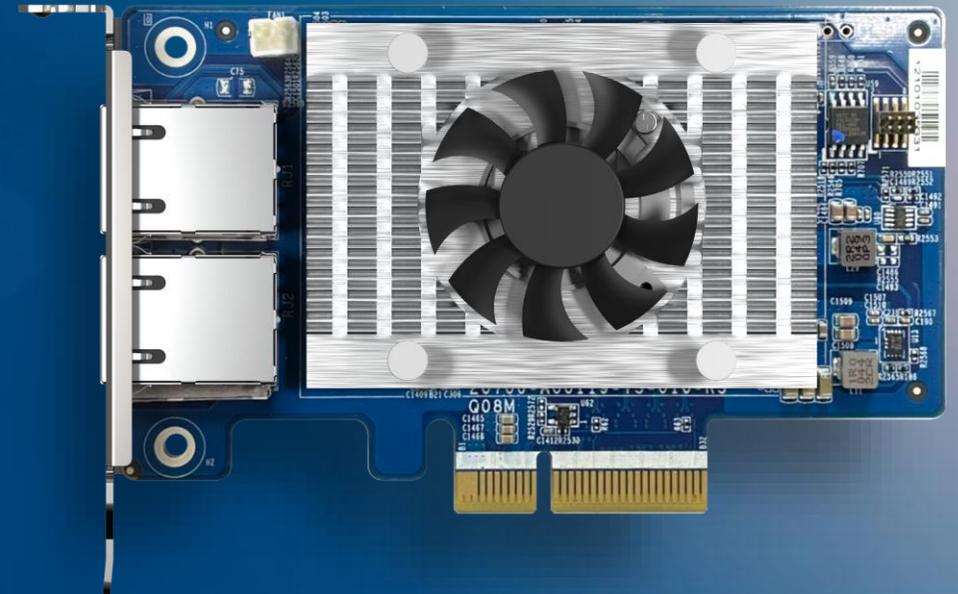


QXG-10G2T-X710 Hardware specification

QXG-10G2T-X710

intel®

Ethernet Controller	Intel Ethernet Controller 700
Transmission Speed	10/5/2.5/1GbE, 100M
Connector	NBAST-T; RJ45
Port#	2
Support QNAP OS	QTS 4.5.2 and later QuTS hero h4.5.1 and later
Support 3 rd party OS	Windows/Windows Server/Linux
PCIe interface	PCI Express 3.0 x4
Package content	1 x QXG-10G2T-X710 1 x QIG (Quick Installation Guide) 3 x brackets (pre-install half-height on NIC when shipping)



SR-IOV advantages and benefits for user



Advantage

- Let the services on your virtual machine enjoy the physical network speed.

Benefits

- If you need real-time service needs, such as ticket booking service, cash flow service, audio-visual service, you can directly enjoy the speed of the hardware network card, reducing network delay.
- Reduce the usage of the host's CPU.
- Increase network efficiency by at least 20%.

SR-IOV Support list

SR-IOV support model list and BIOS Version:

- TS-h686(Q05SAR01)/TS-h886(Q05SAR01)
- TS-1886XU-RP(Q047AR03)/ TS-h1886XU-RP(Q047AR03)
- TDS-16489U(QX31AR19)/TDS-16489U-R2(QX31AR19)
- QGD-1602P(Q03OAR05)
- TS-h2490FU(Q03XAR15)

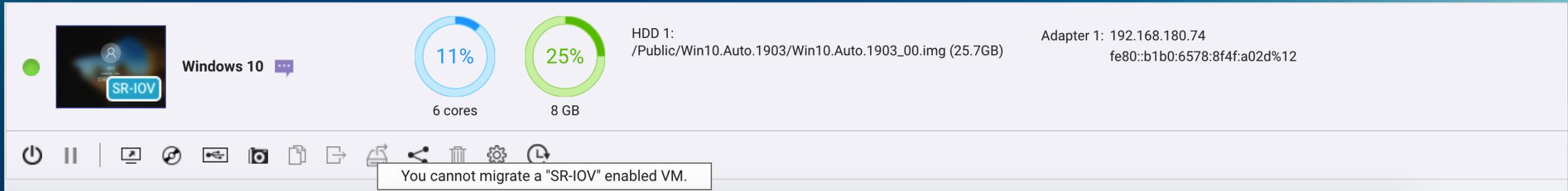
QAT support model:

QGD-1602P

NICs:

- Intel: LAN-10G2T-X550/QXG-100G2SF-E810/**QXG-10G2T-X710**
- Mellanox:LAN-10G2SF-MLX/LAN-40G2SF-MLX
- Mellanox:QXG-10G2SF-CX4/QXG-25G2SF-CX4/QXG-25G2SF-CX6

SR-IOV notice



- SR-IOV needs to be matched with a supported model, BIOS version and supported network card to support it.
- SR-IOV support SW version QTS 4.5.2 & QVS 3.5.3 .
- QAT needs to install the corresponding virtual function driver in the Guest OS

*Currently, the downloadable driver version on the official website is Linux and FreeBSD

[Intel driver download link - https://01.org/intel-quick-assist-technology/downloads](https://01.org/intel-quick-assist-technology/downloads)

- The VM Live Migration function cannot be used when using SR-IOV (Device Passthrough)

Because the physical device used by the VM will not recognize the original physical device ID after VM Live migration.



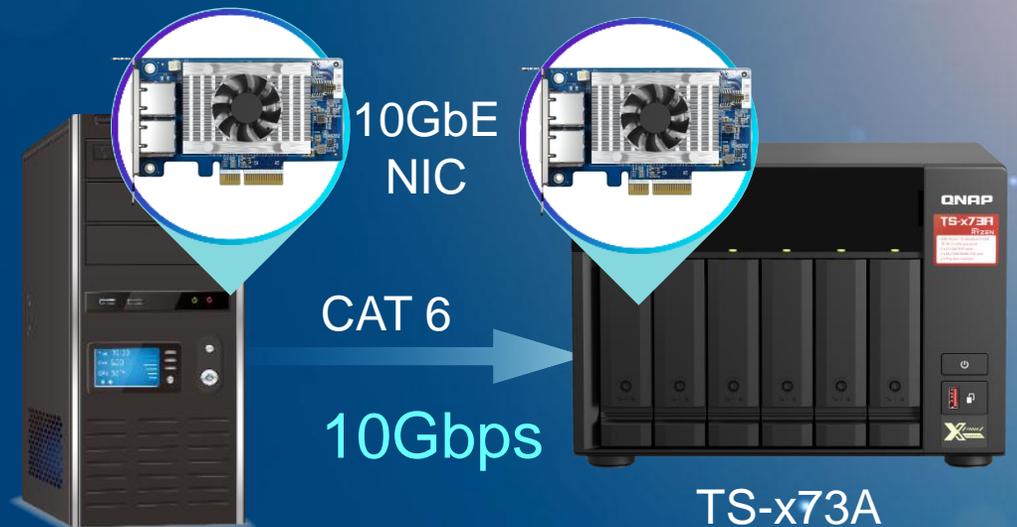
Easily upgrade to 10GbE environment with BASE-T connector

10GBASE-T recommend use CAT 6 cable !

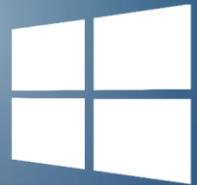
Support Multi-Gigabit

NBASE-T 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



Build your 10GbE environment easily across multiple Operating System



Windows
Server

[Download Windows Driver](#)



Red Hat

[Download Linux Driver](#)



ubuntu

[Ubuntu 18.04 and later](#)



QTS 4.5.2 and later



QuTS hero h4.5.1 and later

Extend your QNAP NAS with 10GbE NIC

AMD



TS-873AU/1273AU/1673AU

- 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-473A/673A/873A

- AMD Ryzen™ V1500B quad-core
- Built in 2.5GbE port

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

intel®



TS-h686

- Intel Xeon D series
- 4 x RJ45 2.5GbE ports

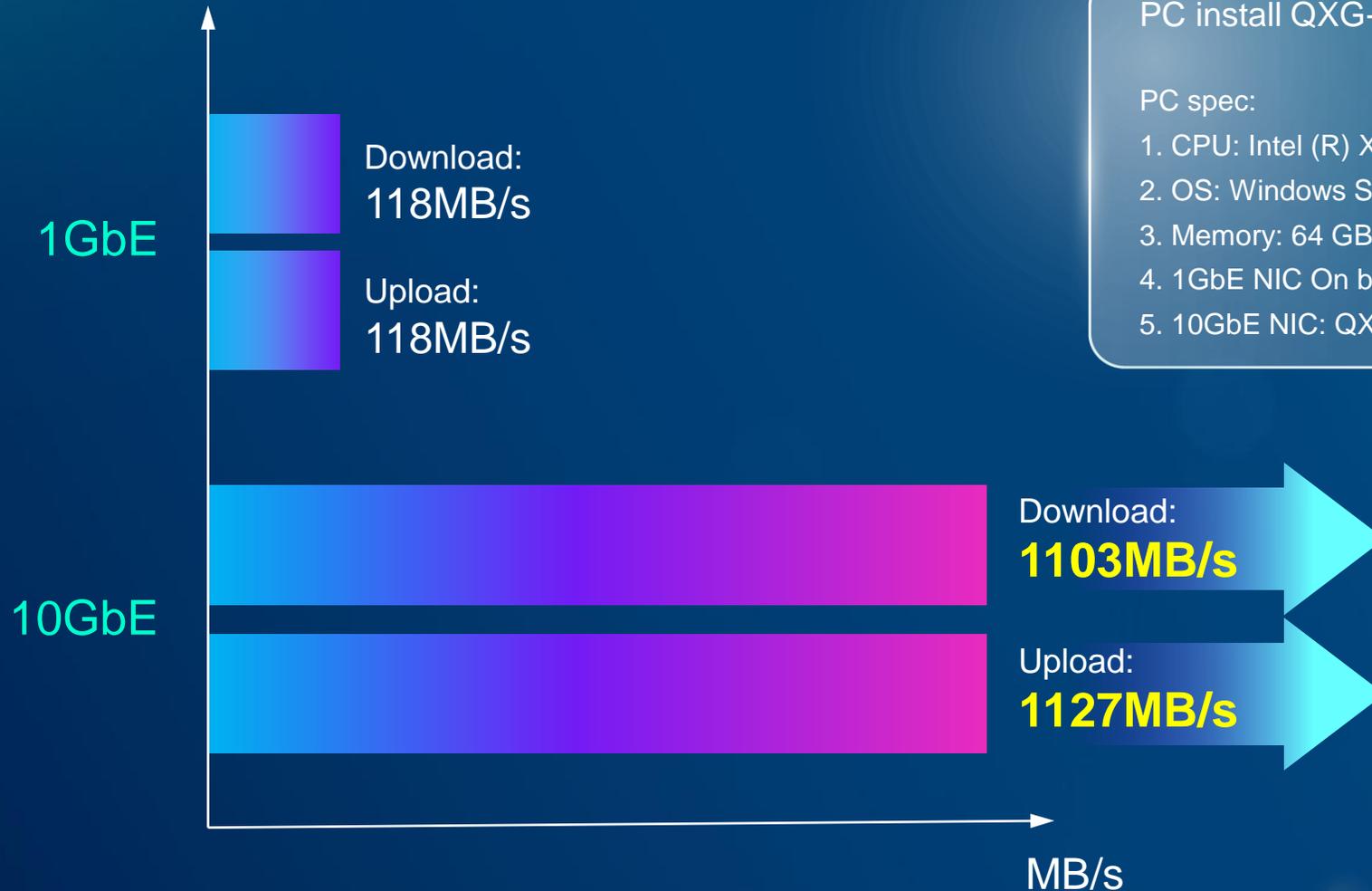
Slot 1: PCIe Gen3 x8
Slot 2: PCIe Gen3 x8



TS-h886

*Find out supported QNAP model on our [Compatibility list](#).

Up to 1000+MB/s Read/Write performance



PC install QXG-10G2T-X710 transfer file to TS-977

PC spec:

1. CPU: Intel (R) Xeon W
2. OS: Windows Server 2019
3. Memory: 64 GB.
4. 1GbE NIC On board
5. 10GbE NIC: QXG-10G2T-X710

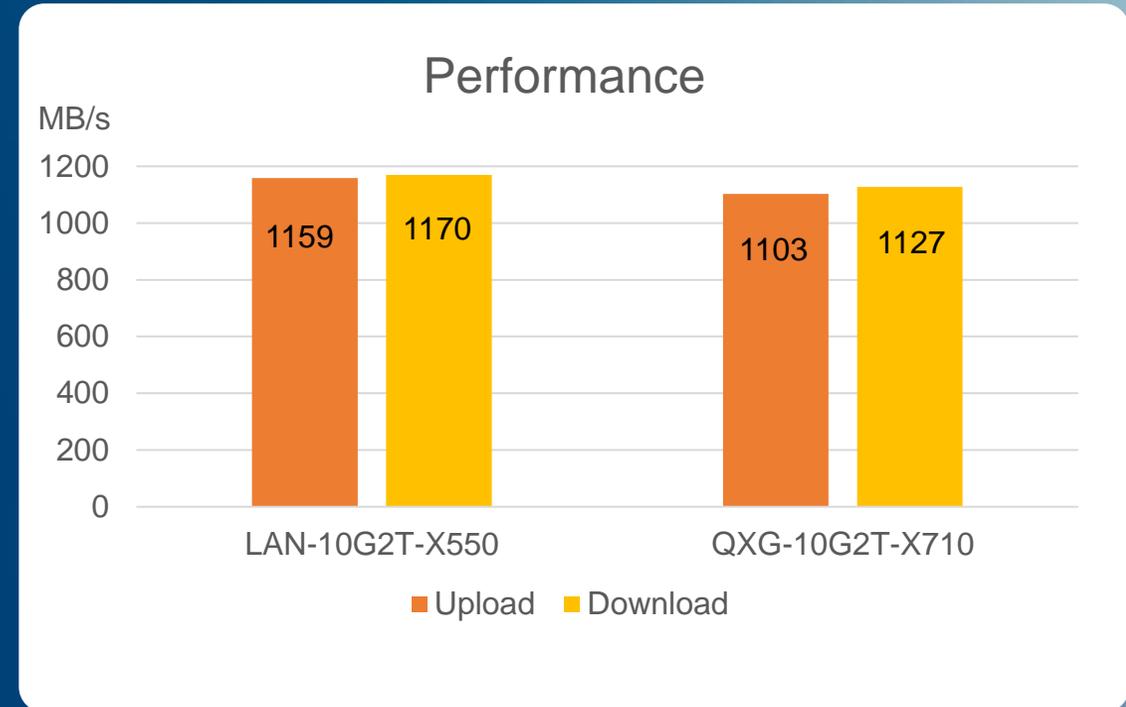


LAN-10G2T-X550 vs. QXG-10G2T-X710

LAN-10G2T-X550

QXG-10G2T-X710

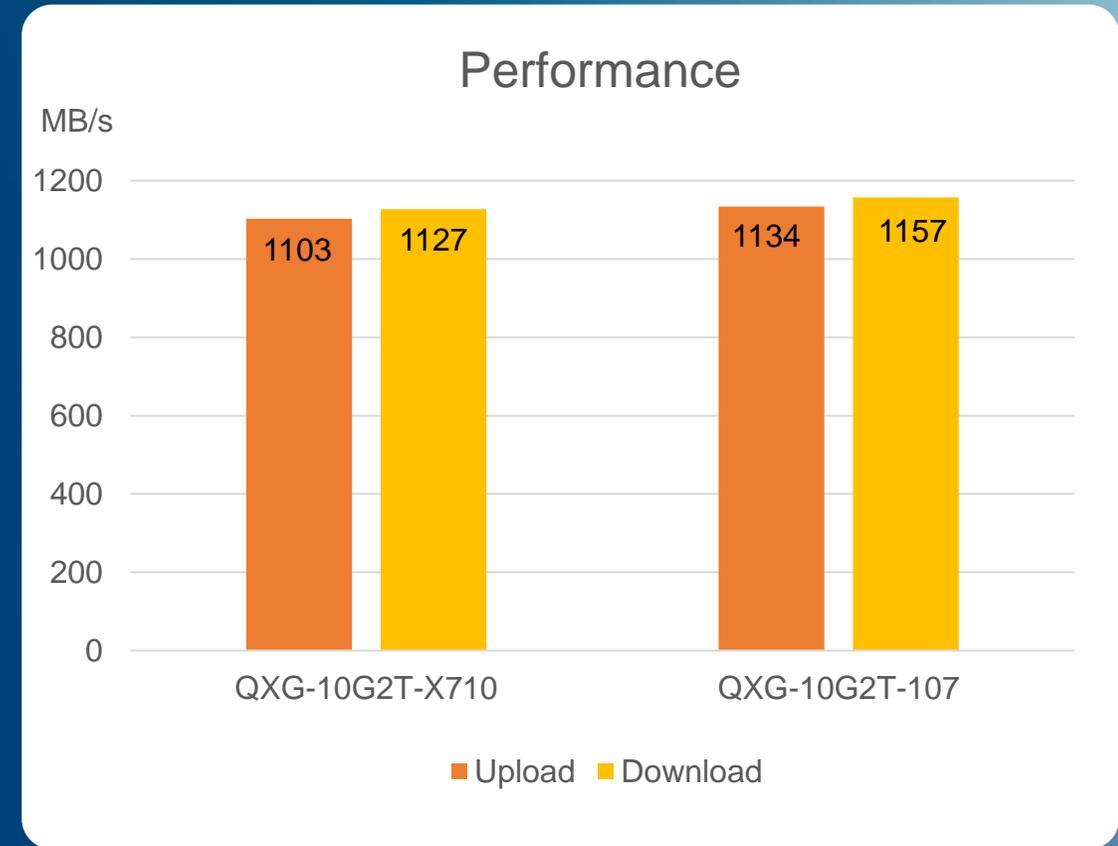
PCIe express	Gen3 x4	Gen3 x4
Ethernet Controller	500 Series	700 Series
SR-IOV	Supported	Supported
Power consumption	Higher	Lower
Support Speed	5-speed; 10/5/2.5/1G, 100M	



QXG-10G2T-X710 vs. QXG-10G2T-107

QXG-10G2T-107 **QXG-10G2T-X710**

PCIe express	Gen2 x4	Gen3 x4
Ethernet Controller	Marvell AQC107	Intel 700 Series
SR-IOV	Not-supported	Supported
Support OS	Windows 8/10 Linux	Windows 8/10 Windows Server Linux Ubuntu RHEL
Support Speed	5-speed; 10/5/2.5/1G, 100M	

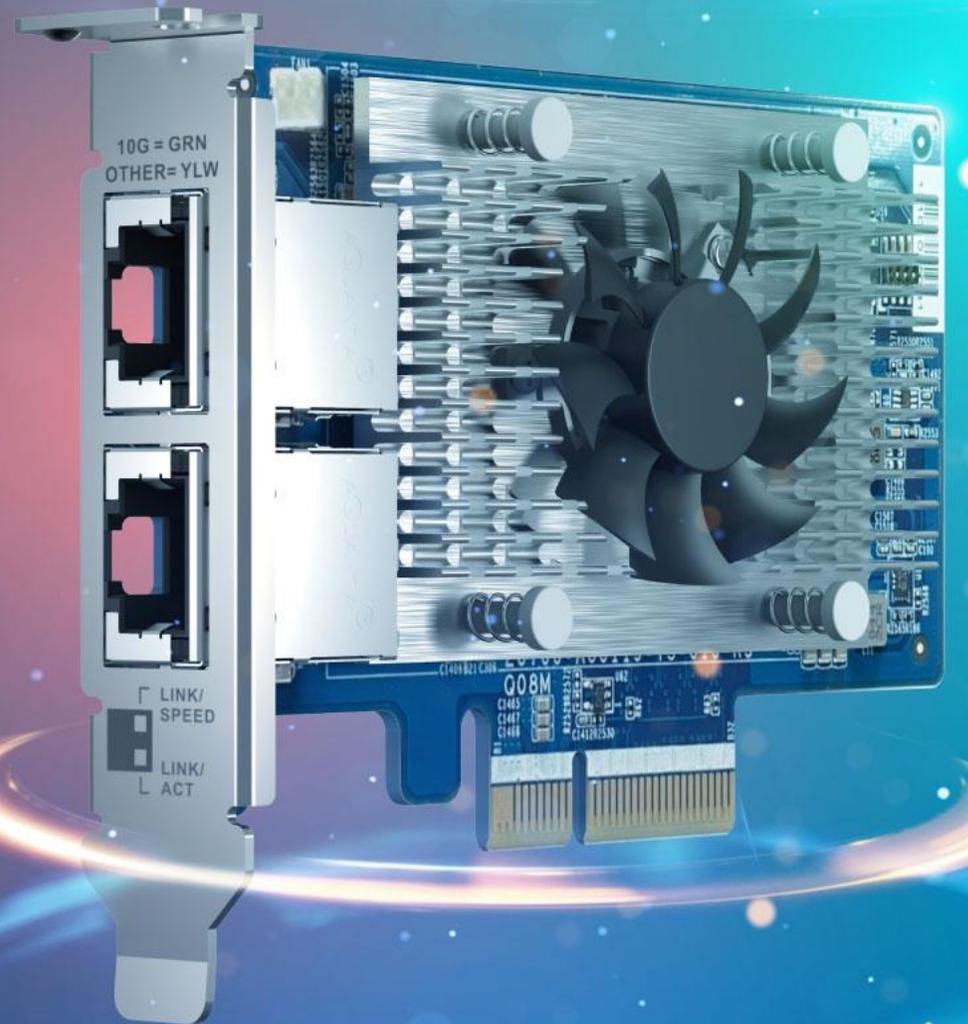


Windows file
transfer – 10GB file



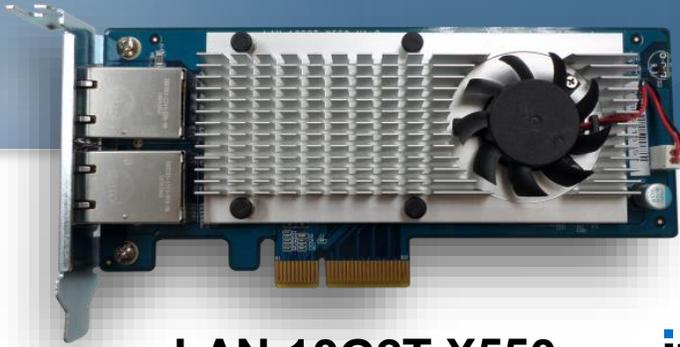
LIVE
DEMO

QNAP Multi-Gig NIC, switch and accessories



QNAP Multi Gig NICs – Intel

5-speed Multi- Gig



LAN-10G2T-X550

intel.

- Intel X550
- Dual-port 10GbE NBase-T
- PCIe Gen3 x4
- Low Profile

10GbE

4-speed Multi- Gig



QXG-2G1T-I225
QXG-2G2T-I225
QXG-2G4T-I225

intel.

- Intel I225-LM
- 1/2/4-port 2.5GbE NBase-T
- PCIe Gen3x1, Gen3 x2, Gen3 x4
- Low Profile

2.5GbE

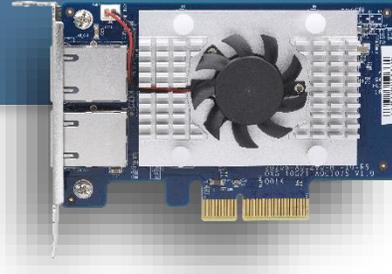
QNAP Multi Gig NICs – Marvell Aqtion

5-speed Multi- Gig



QXG-10G1T

- AQtion AQC107
- Single-port 10GbE NBase-T
- PCIe Gen3 x4
- Low Profile



QXG-10G2T-107

- AQtion AQC107S
- Dual-port 10GbE NBase-T
- PCIe Gen2 x4
- Low Profile

10GbE

4-speed Multi- Gig

QXG-5G1T-111C
QXG-5G2T-111C
QXG-5G4T-111C



- AQtion AQC111C
- 1/2/4-port 5GbE NBase-T
- PCIe Gen2 x1, Gen3 x2, Gen3 x4
- Low Profile



5GbE

QNAP Multi Gig Accessories

QNA-UC5G1T



Host with USB 3.2 Gen1

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

For PC and laptops, upgrade to 5Gbps ethernet with USB 3.2 Gen 1

QNA-T310G1T



Host with Thunderbolt 3

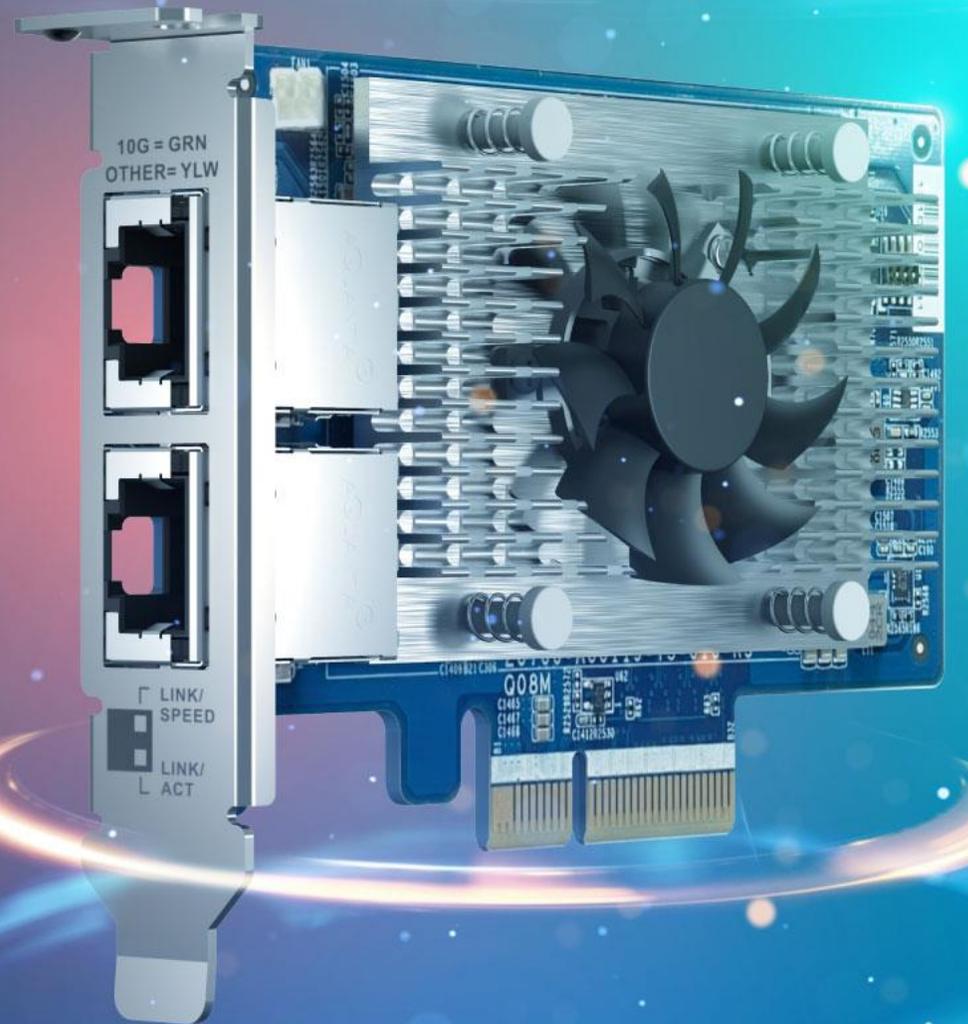
- 10G/5G/2.5G/1G/100M 5-speed
- RJ45 NBASE-T connector

For Thunderbolt3 Mac/PC upgrade to 10Gbps ethernet easily.

Faster, and faster!



Build your 10G
environment with
switch

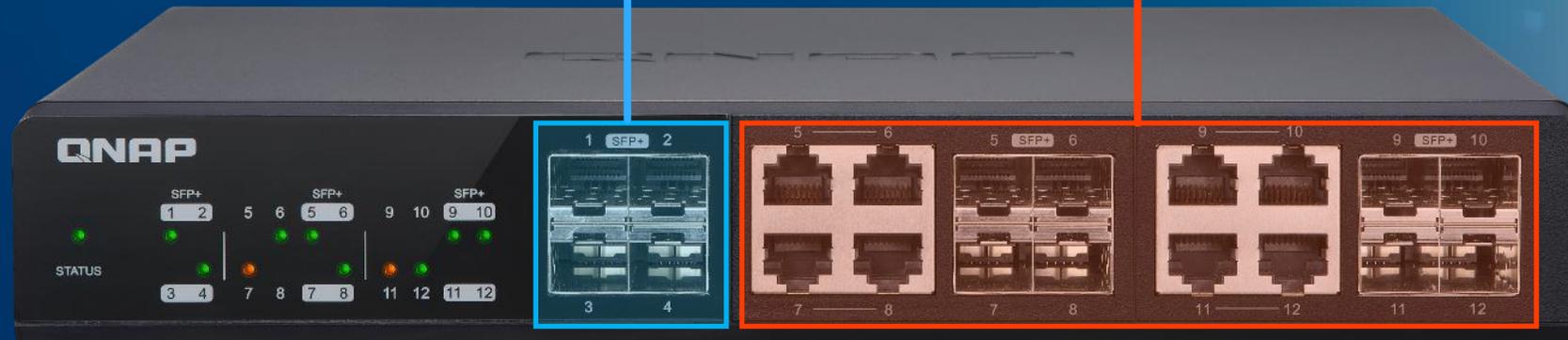


QNAP QSW-M1208 managed 10GE switch for multi-10GbE aggregated multi-user editing

4 x 10GbE SFP+ ports

8 x 10GbE SFP+ & RJ45 Combo ports

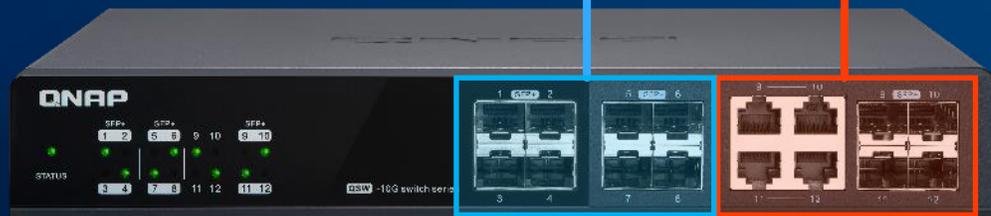
QSW-M1208-8C



8 x 10GbE SFP+ ports

4 x 10GbE SFP+ & RJ45 Combo ports

QSW-M1204-4C



4 x 10GbE SFP+ ports

4 x 10GbE SFP+ & RJ45 Combo ports

QSW-M804-4C



QHora-301W

New Generation WiFi 6 and Dual 10GbE SD-WAN Router

- Wireless connectivity: support WiFi 6 (802.11ax)
- Dual-port **10GbE** flexible for WAN/LAN
- Optimized **Eight** omnidirectional internal high gain antenna
- Enable subscription-free QNAP SD-WAN on QHora-301W



QNAP

QXG-10G2T-X710

The dual port 10GbE network card
is your best choice!

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