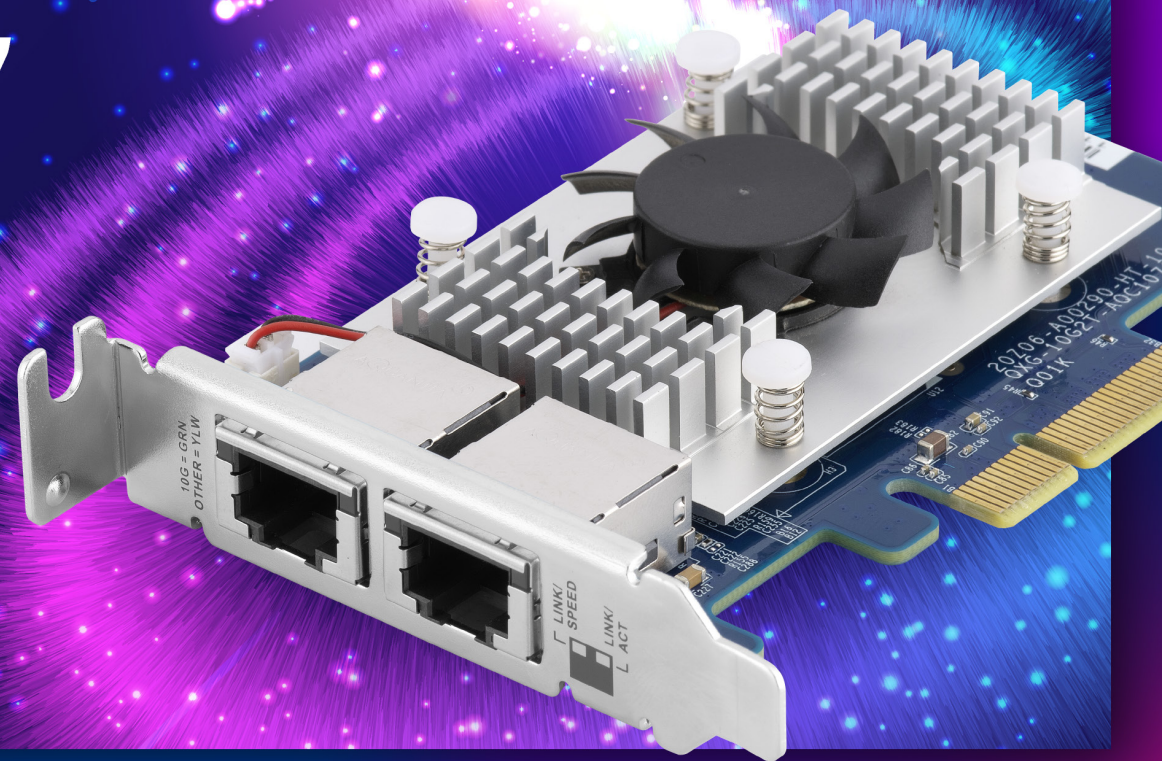


**QNAP**

10G/5G/2.5G/1G/100M

# QXG-10G2T-107

The dual-port, Multi-Gig 10GbE network expansion card

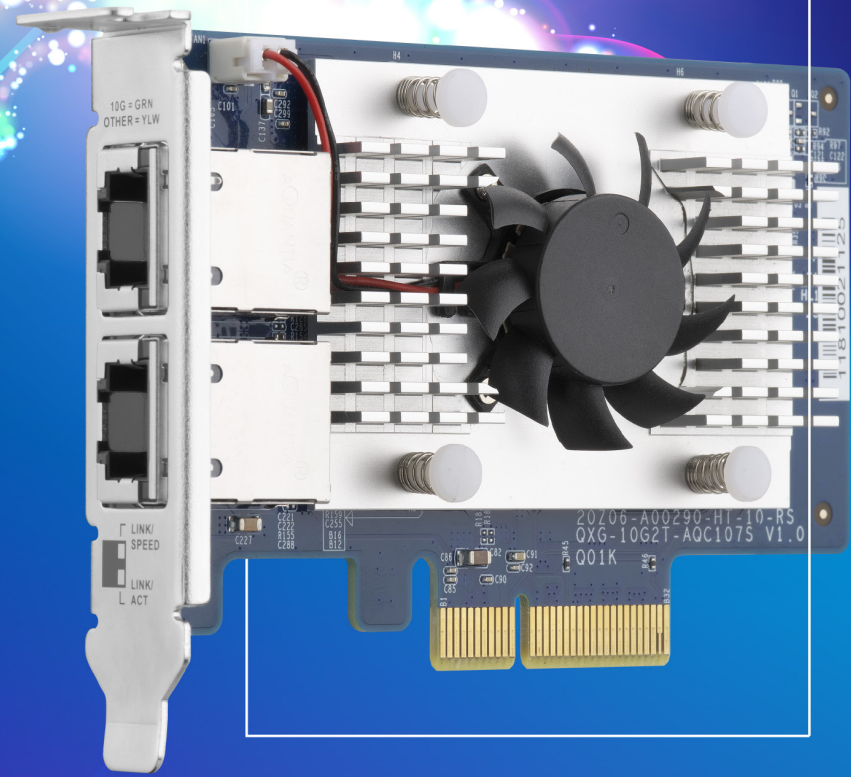






- ✓ Dual port 10GbE Multi-Gig Expansion Card QXG-10G2T-107
- ✓ QNAP Unmanaged 10GbE Switch
- ✓ QNAP High Speed NIC series

# Dual port 10GbE Multi-Gig Expansion Card QXG-10G2T-107



QXG-10G2T-107



# 10GbE Multi-Gig Alliance



Multi-Gig Leading solution Aquantia



10Gbps

5Gbps

2.5Gbps

1Gbps

100Mbps

Strong investors & NBASE-T Alliance

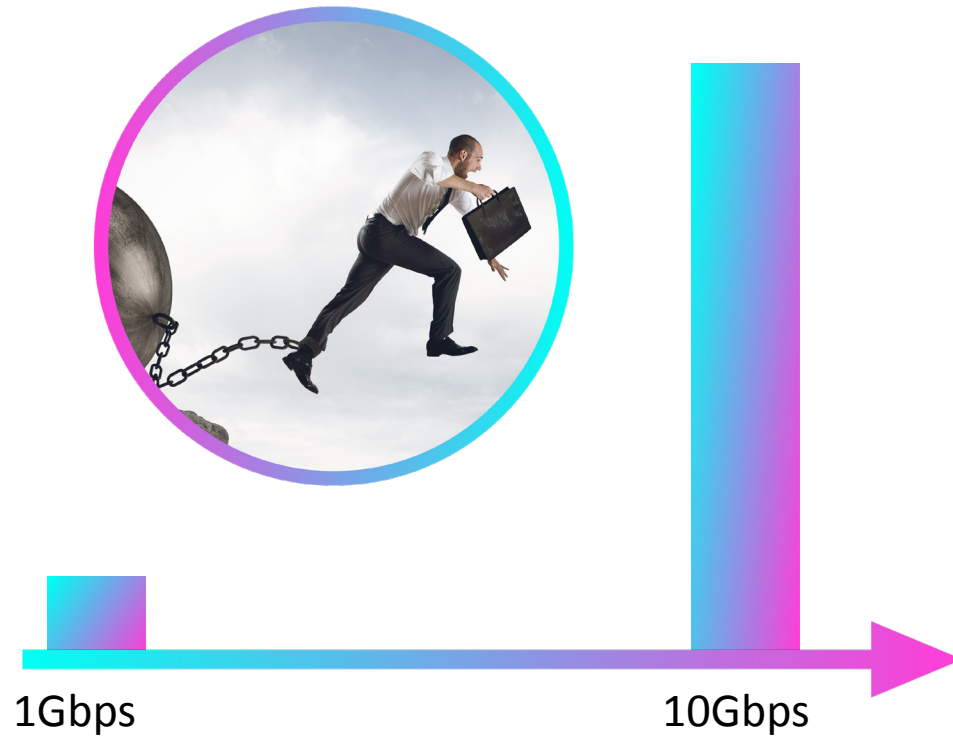


Used in various solutions





# Flexible options between 1 to 10Gbps



- CAT 6 above cable is required
- 10GbE switch investment



- Original CAT 5e can reach to 5Gbps
- CAT 6 above cable reaches 10Gbps
- Low cost 10GbE NBASE-T switch

# Take advantages of existing infrastructure

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

|      | CAT 5e | CAT 6  | CAT 6A & CAT 7 |
|------|--------|--------|----------------|
| 100M | ✓      | ✓      | ✓              |
| 1G   | ✓      | ✓      | ✓              |
| 2.5G | ✓      | ✓      | ✓              |
| 5G   | ✓      | ✓      | ✓              |
| 10G  | X      | ✓(55m) | ✓              |



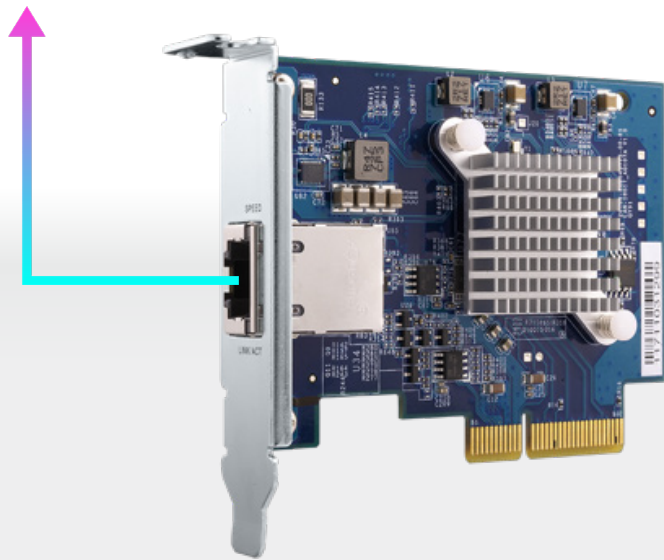


# QNAP Multi-Gig Expansion Cards

## Single-port

QXG-10G1T

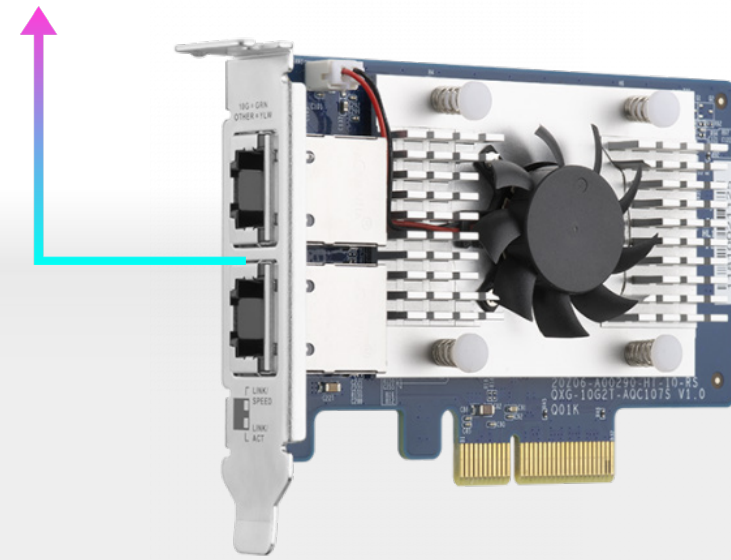
Single-port 5-speed 10GBASE-T (RJ45)  
AQtion AQC-107



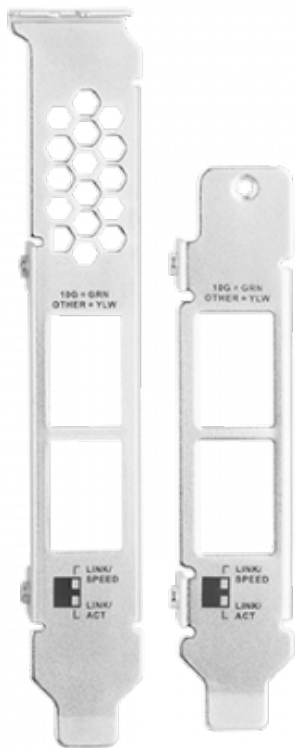
## Dual-port

QXG-10G2T-107

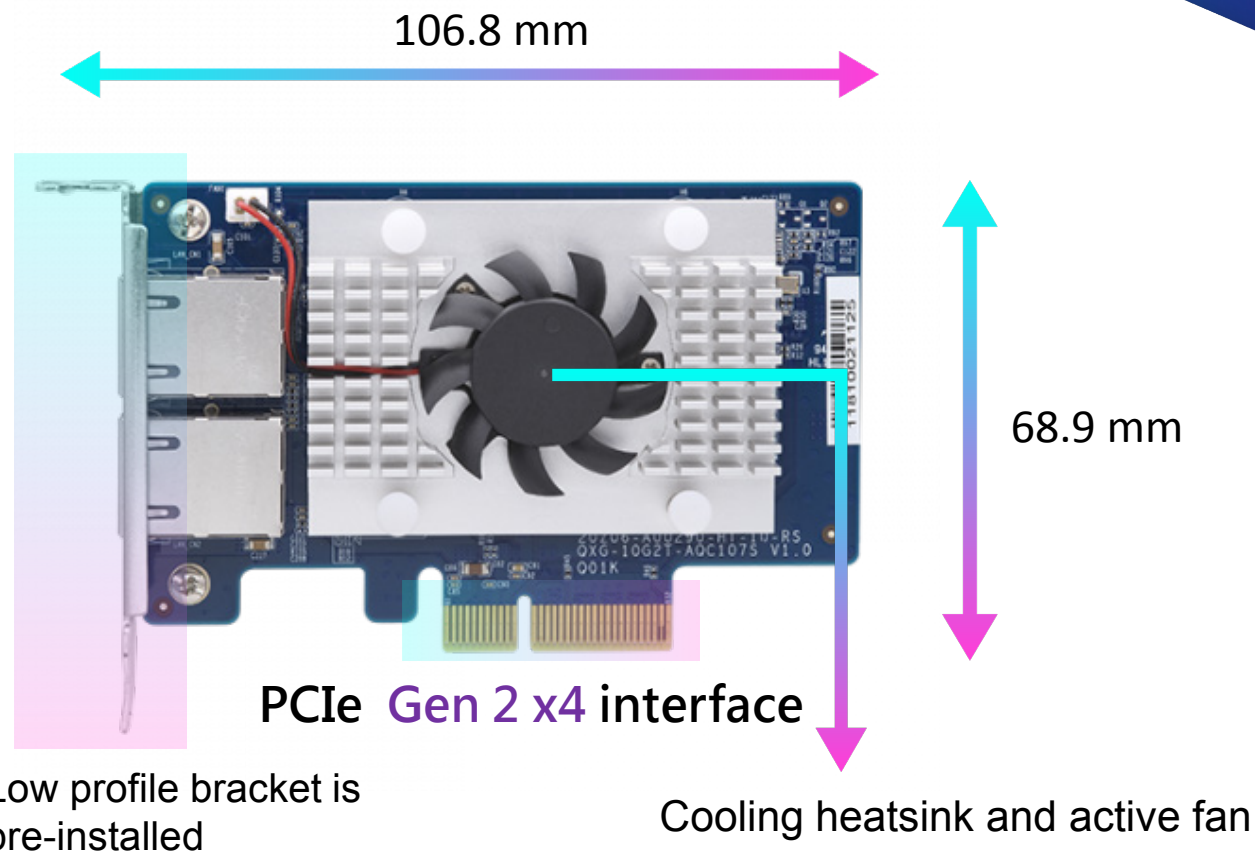
Dual-port 5-speed 10GBASE-T (RJ45)  
AQtion AQC-107S



# Low profile form factor



Full height and QNAP flat bracket is bundled

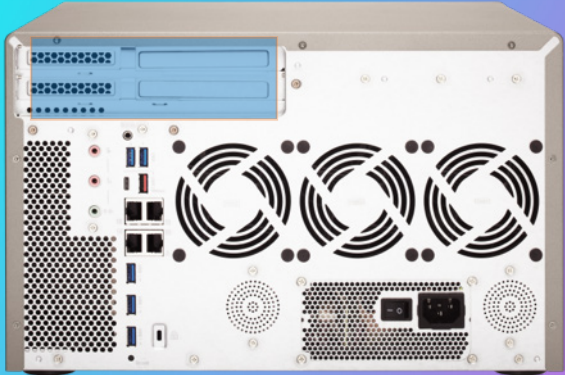


Low profile bracket is pre-installed

Cooling heatsink and active fan



# Supports QTS, Windows and Linux



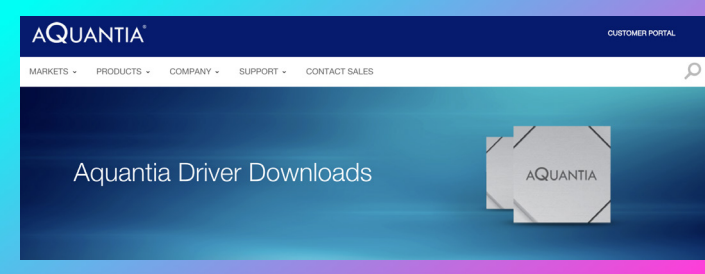
PCIe supported NAS

The driver is featured in QTS, Please update to latest QTS version



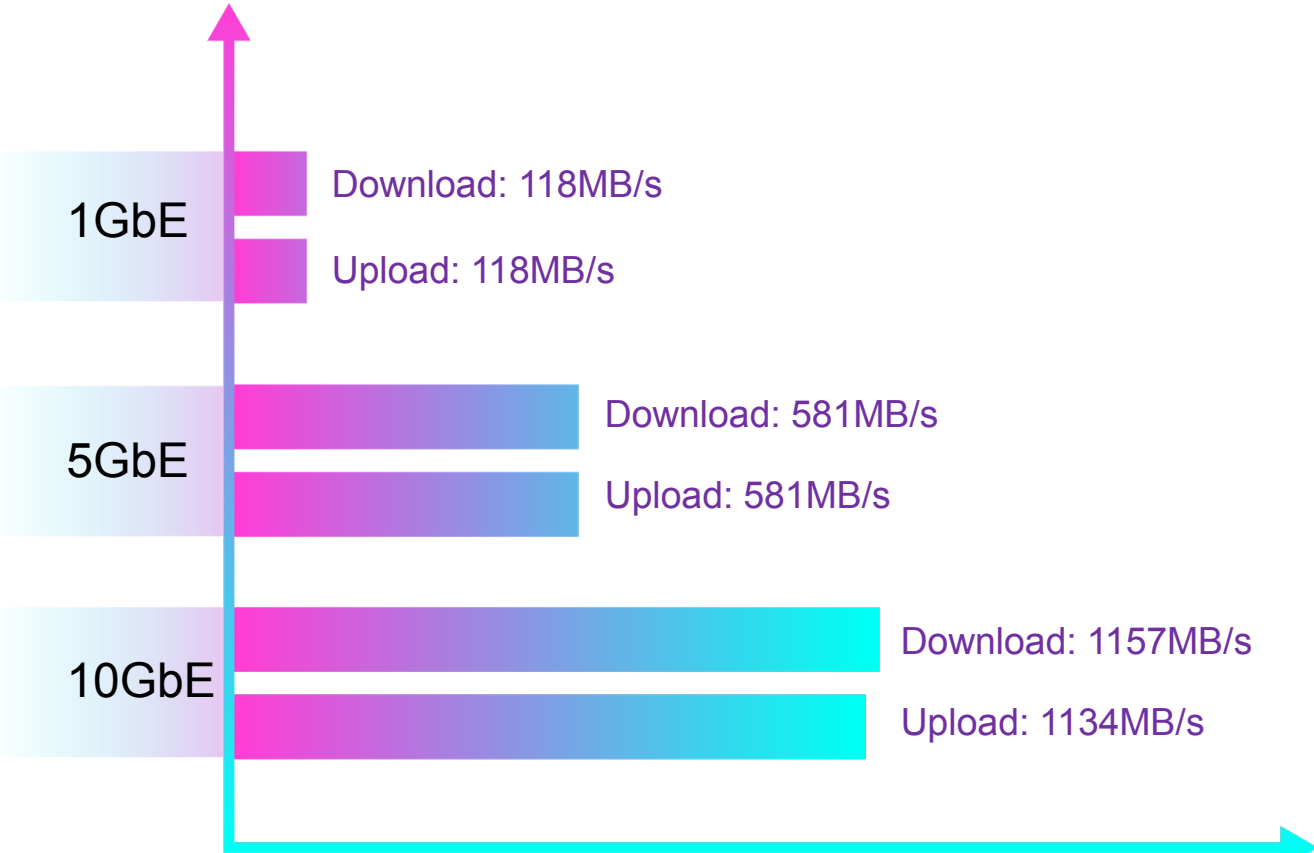
PCIe supported PC/Workstation

Driver is required to download and install to your PC from Aquantia website



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

# Multi-speed on different infrasturcture



PC featured QXG-10G2T-107 transfer 10GB file to TVS-672N via QSW-1208-8C  
 CPU: Intel (R) Core(TM) i7-6700 CPU@ 3.40GHz.  
 2. OS: Windows 10.  
 3. Memory: 64 GB.  
 4. 1GbE NIC On board  
 5. 10GbE NIC: QXG-10G2T-AQC107

MB/s







# Performance Demo

✓ 10GB file drag-and-drop via 10Gbps

# QNAP Unmanaged 10GbE Switch



QXG-10G2T-107



# QSW 10GbE NBASE-T Switch

QSW-1208-8C



Provides 12 ports of 10Gbps transfer

QSW-804-4C



Provides 8 ports of 10Gbps transfer

QSW-308S



Use 10G-SFP-T copper transceiver module for link up copper cable

- 3 x SFP+ 10GbE
- 8 x 1GbE RJ45

QSW-308-1C



Use 10G-SFP-T copper transceiver module for link up copper cable

- 3 x SFP+ 10GbE port  
(built-in 1 x 10GbE NBASE-T Combo port)  
Support: 10Gbps/5Gbps/2.5Gbps/1Gbps/100Mbps
- 8 x 1GbE RJ45 port

# Multi-Gig Port

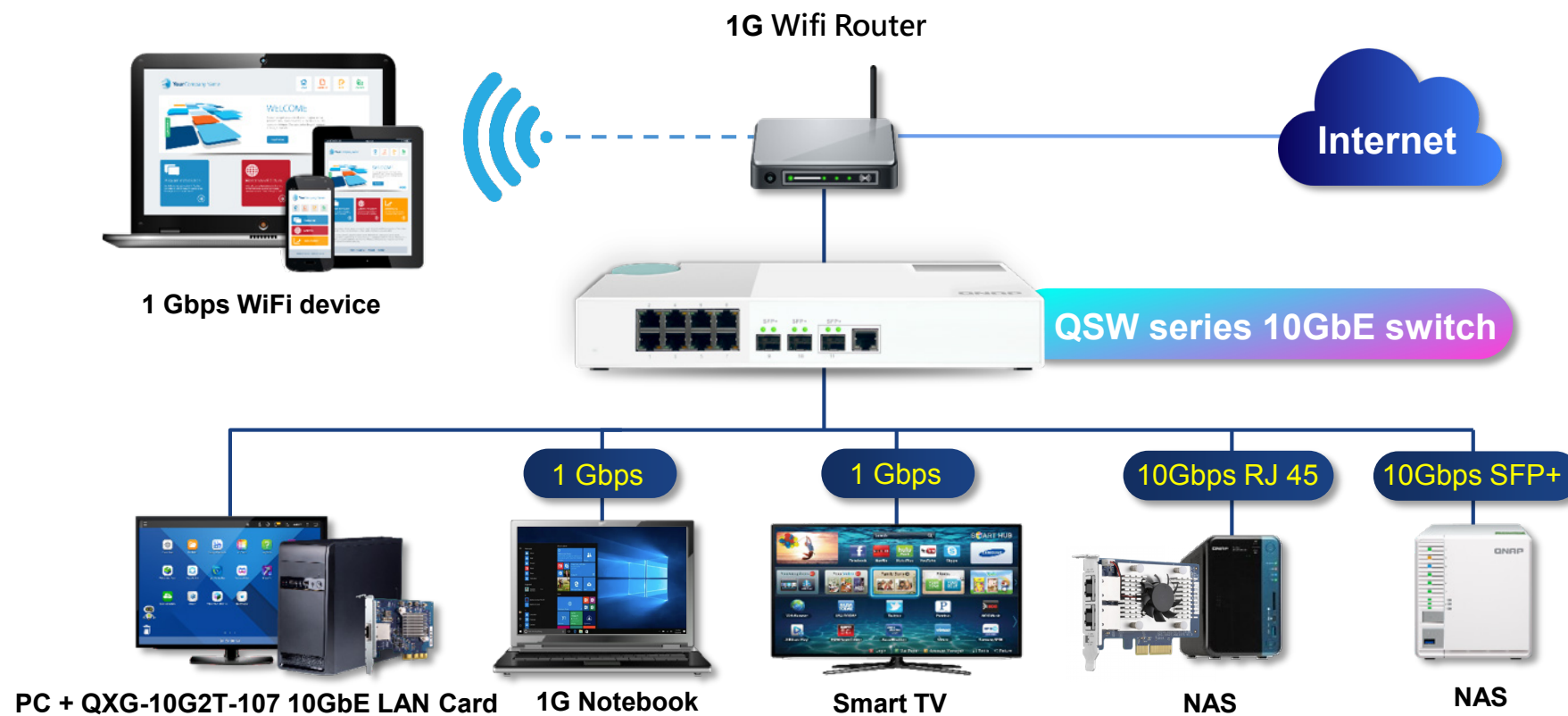
Automatically adapts to the required speed and supports 5 networking speeds.



Supports Multi-Gigabit NBASE-T by QSW-308-1C combo port

# Build a high-speed home network

QXG-10G2T-107



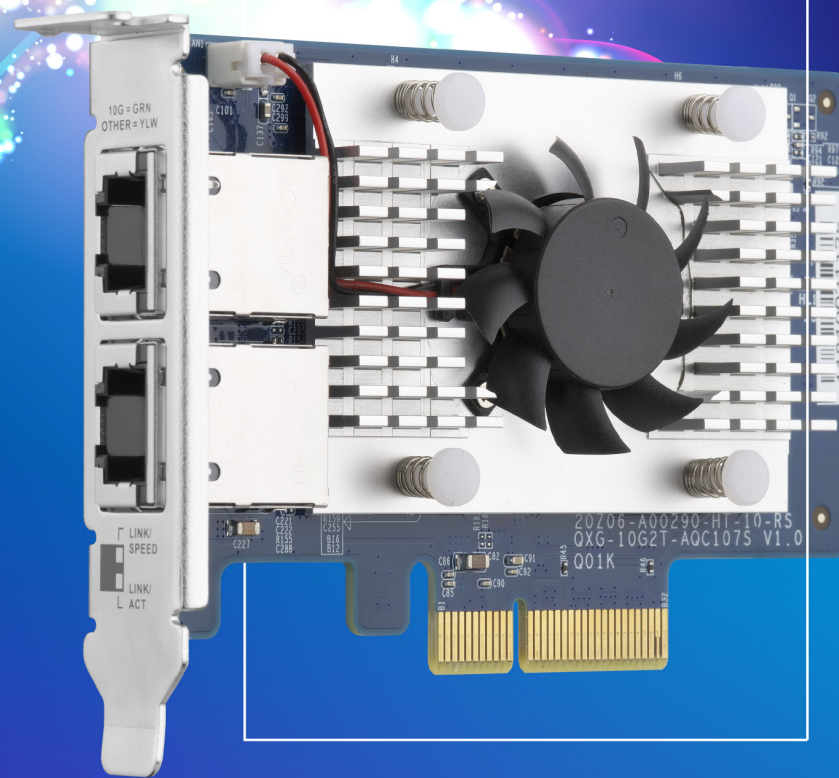


# QSW series product comparison

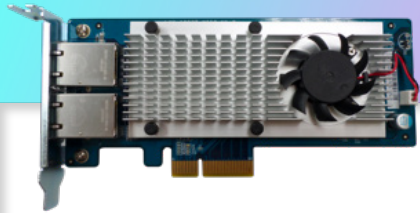


|                                     | QSW-308S                                     | QSW-308-1C | QSW-1208-8C                               | QSW-804-4C                      |
|-------------------------------------|--|------------|---|---------------------------------|
| <b>Gigabit Ethernet Port (RJ45)</b> | 8  | 8          | -   | -                               |
| <b>10GbE – RJ45</b>                 |  | 1          | 8   | 4                               |
| <b>10GbE – SFP+</b>                 | 3  | 3          | 12  | 8                               |
| <b>10GbE RJ45/SFP+ (Combo port)</b> | --   | 1          | 8   | 4                               |
| <b>Dimensions</b>                   | 290 x 50 x 42.5 mm<br>(11.4 x 2.0 x 16.7 in) |            | 285 x 43 x 233 mm<br>(11.2x 1.7 x 9.2 in) |                                 |
| <b>Net Weight:</b>                  | 820g   |            | 2150g                                     | 2100g                           |
| <b>Power</b>                        | AC adapter , 36W, 100 - 240V                 |            | AC adapter , 50W,<br>100 - 240V           | AC adapter , 41W,<br>100 - 240V |
| <b>Operating temperature</b>        | 0°C to 40°C (32°F to 104°F)                  |            | 0°C to 40°C (32°F to 104°F)               |                                 |
| <b>Fan</b>                          | Fan less design                              |            | 2 x 4cm fan (12V DC)                      |                                 |
| <b>Management Type</b>              | Unmanaged switch                             |            | Unmanaged switch                          |                                 |

# QNAP High Speed NIC series

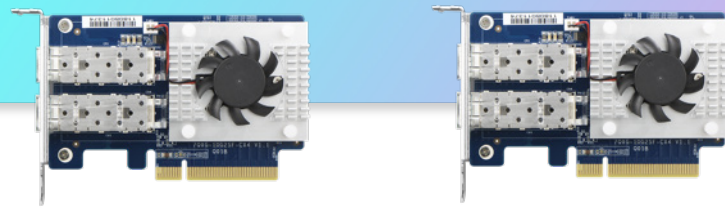


# QNAP 10GbE above NIC product line



## LAN-10G2T-X550

- X550
- Dual-port 10GbE BaseT
- PCIe Gen3 x4
- Low Profile



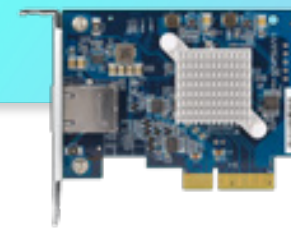
## LAN-10G2SF-MLX

- ConnectX-4
- Dual-port 10GbE SFP+
- PCIe Gen3 x8
- Low Profile

## QXG-25G2SF-CX4

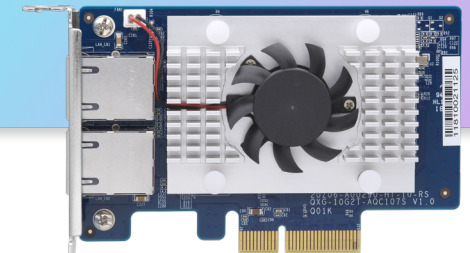
- ConnectX-4
- Dual-port 25GbE SFP+
- PCIe Gen3 x8
- Low Profile

iSER / RoCE offload



## QXG-10G1T

- Aqion AQC107
- Single-port 10GbE NBase-T
- PCIe Gen3 x8
- Low Profile



## QXG-10G2T-107

- Aqion AQC107S
- Dual-port 10GbE NBase-T
- PCIe Gen3 x8
- Low Profile

5-speed Multi-Gig



# 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



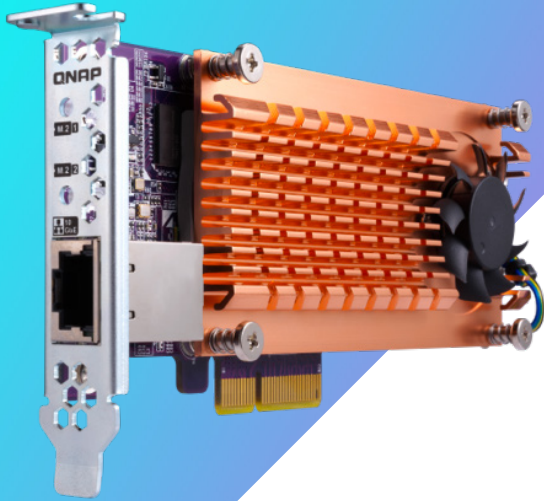
### Thunderbolt 3

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

# QNAP Cache and 10GbE series: QM2

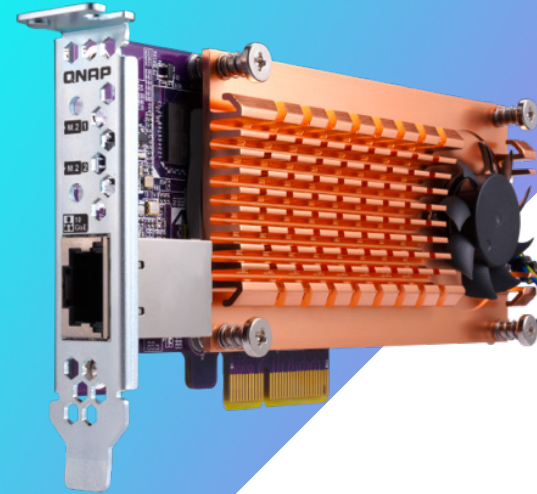
5-speed Multi-Gigabit NBASE-T

AQUANTIA®



## QM2-2P10G1TA

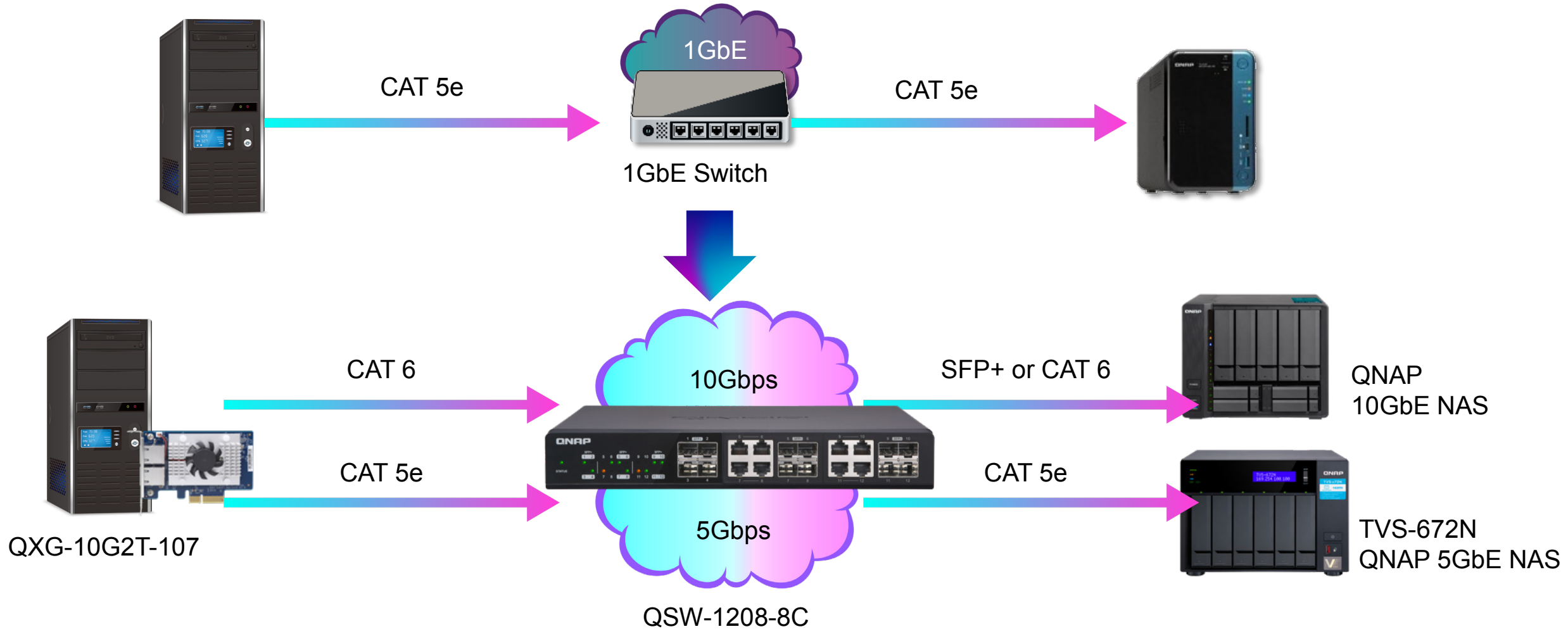
- Single-port 10GbE NBASE-T
- 2 x NVMe SSD slots
- PCIe Gen2 x4
- Low Profile



## QM2-2S10G1TA

- Single-port 10GbE NBASE-T
- 2 x SATA M.2 SSD slots
- PCIe Gen2 x4
- Low Profile

# PC/ workstation speed up



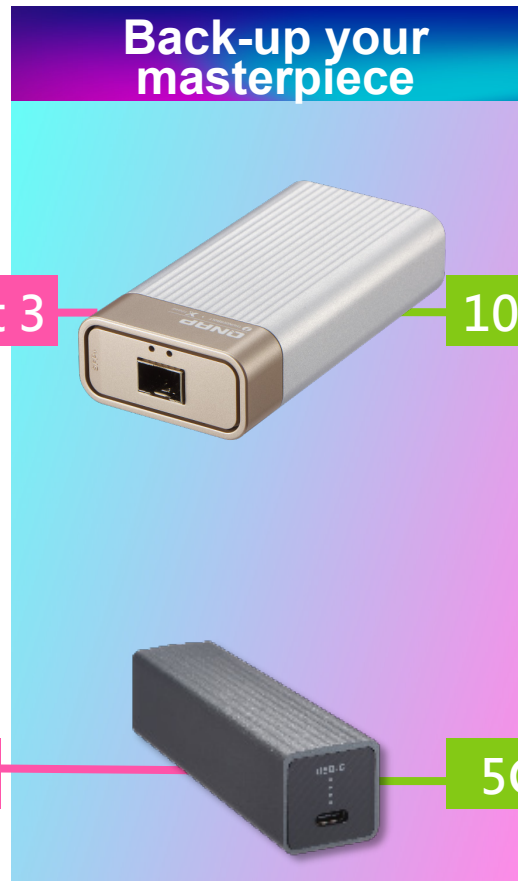


# Mac/Windows laptop speed up instantly



Thunderbolt 3

USB 3.0

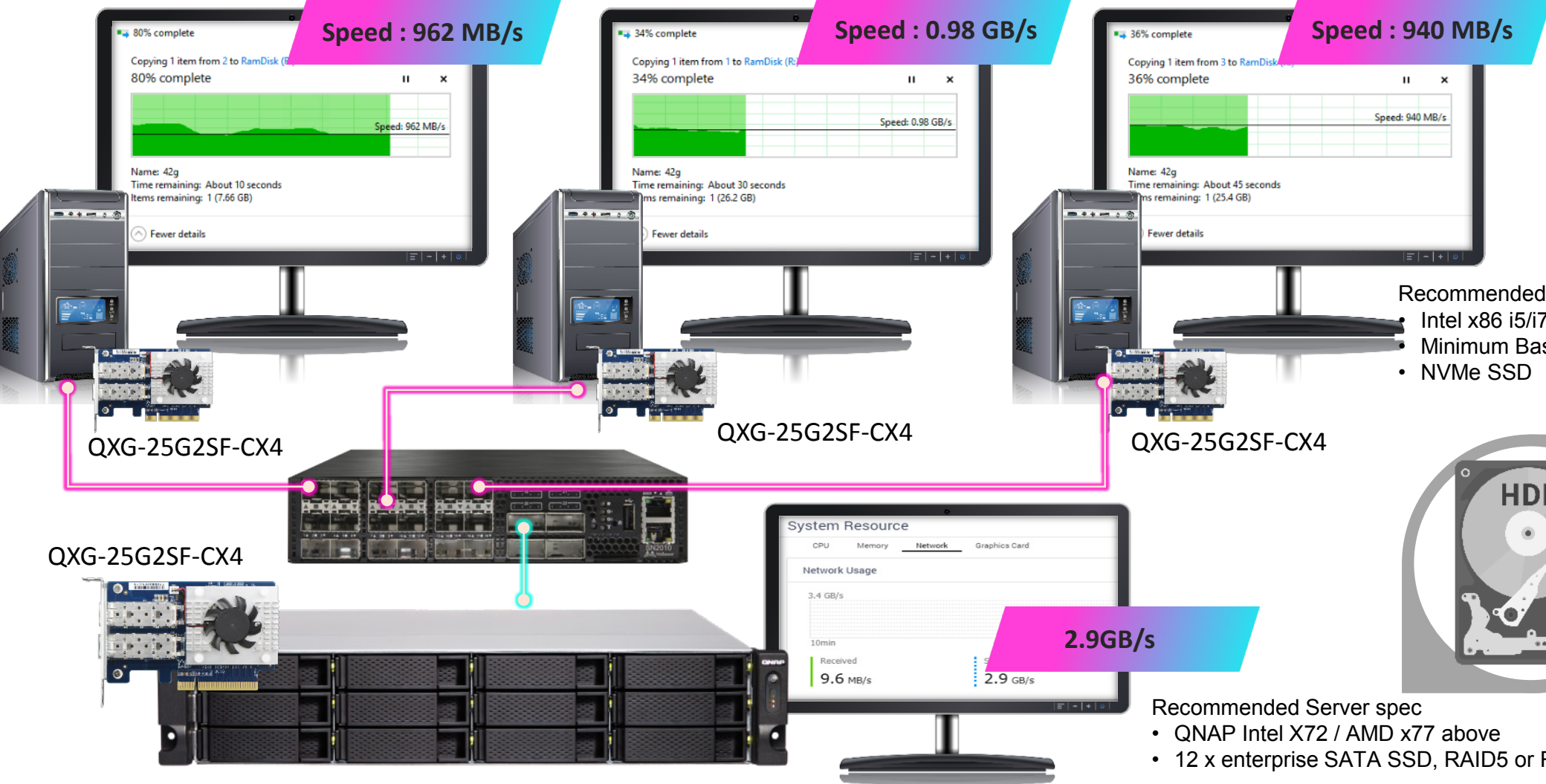


10GbE

5GbE



# PC/Workstation 25GbE ultra speed



- Recommended PC/ Workstation spec
- Intel x86 i5/i7(or same level) above
  - Minimum Basic clock rate :3.3 GHz
  - NVMe SSD



- Recommended Server spec
- QNAP Intel X72 / AMD x77 above
  - 12 x enterprise SATA SSD, RAID5 or RAID10



# PC/ workstation 10GbE ft. Cache solution

QXG-10G2T-107



Install 2 x M.2 SSD to improve the system cache and also enjoy the 10GbE transfer.

# QNAP 10GbE NAS

## Internal 10GbE/5GbE Series

### SFP+

ES1686dc · TES-x85U · TDS-16489U · TVS-x80U · TS-x83XU · TVS-1582TU · TS-x77XU ·  
TVS-x72XU · TS-x73U · TS-x63XU · TS-1635AX · TS-x32X · TS-x32XU · TS-431X ·  
TS-431XeU

### RJ45 (BASE-T)

TS-2888X · TS-1685 · TS-1677X · TVS-x82T · TVS-951X · TVS-963X · TVS-x72N ·  
TVS-x72XT · TS-453BT3 · TBS-453DX · HS-453DX

## Extendable 10G series

### SFP+ / RJ45 (BASE-T)

TVS-x82 · TS-x77 · TVS-x73 · TVS-x73e · TS-x73 · TS-x53BU · TS-x53B ·  
TS-x53Be · TVS-x63



Please check the compatibility list





**QXG-10G2T-107**  
is your Best Choice  
Thank you !

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