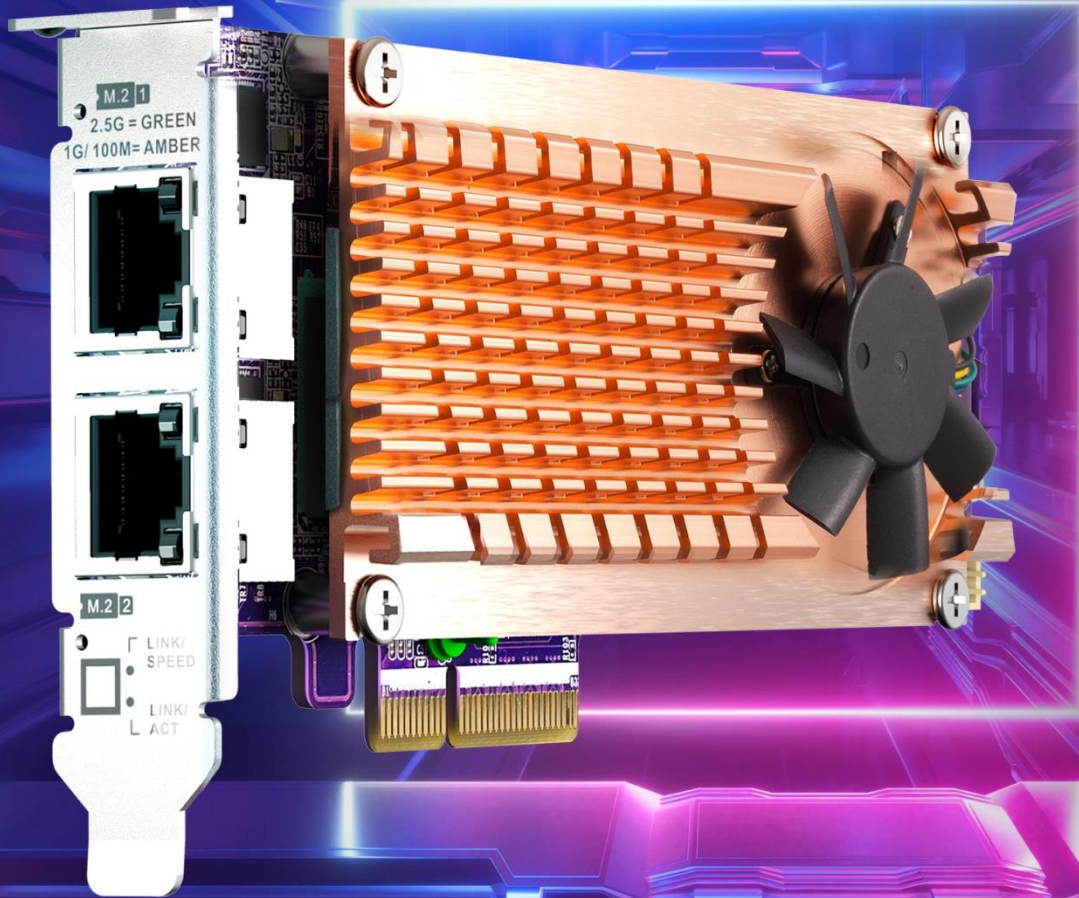


QNAP



QM2-2P2G2T

Add M.2 SSD slots and 2.5GbE connectivity to boost IOPS and expand storage capacity of your NAS/PC/workstation



2 x PCIe NVMe SSD



2 x 2.5GbE



PCIe Gen3

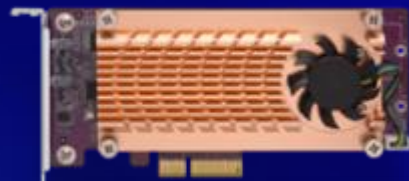


- ✓ QM2 series with Ethernet combo for 2.5GbE
- ✓ Only use ONE PCIe slot for M.2 SSD and Ethernet expansion
- ✓ Built in Intel I225-LM Enterprise 2.5GbE Ethernet controller, support QTS, QuTS hero, Linux, Win10 and Win Server 2019
- ✓ Build your environment with QNAP Ethernet products

Expand more M.2 SSD slots with QM2 series

2 x M.2 SSD

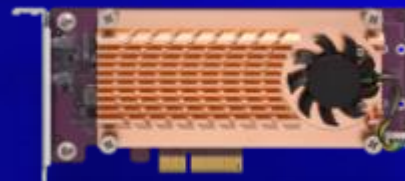
QM2-2S-220A



PCIe Gen2

SATA

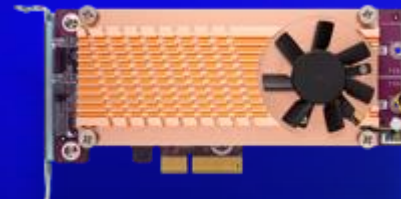
QM2-2P-244A



PCIe Gen2

PCIe NVMe

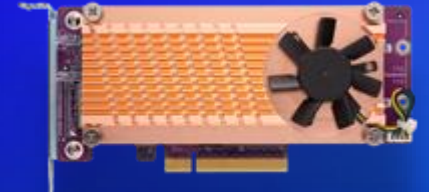
QM2-2P-344



PCIe Gen3

PCIe NVMe

QM2-2P-384



PCIe Gen3

PCIe NVMe

4 x M.2 SSD

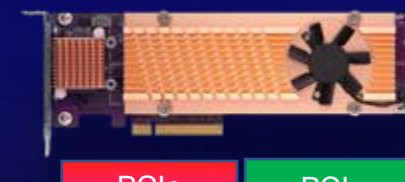
QM2-4S-240



PCIe Gen2

SATA

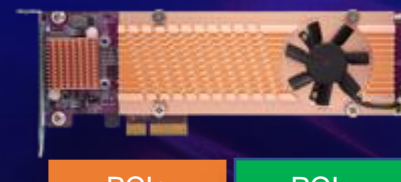
QM2-4P-284



PCIe Gen2

PCIe NVMe

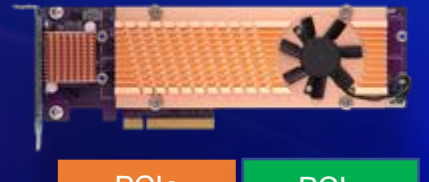
QM2-4P-342



PCIe Gen3

PCIe NVMe

QM2-4P-384

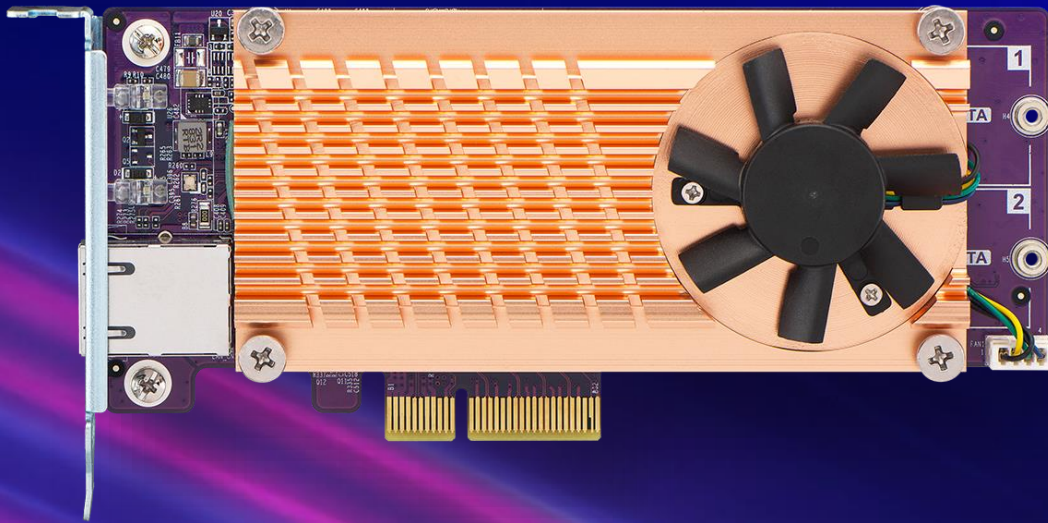


PCIe Gen3

PCIe NVMe

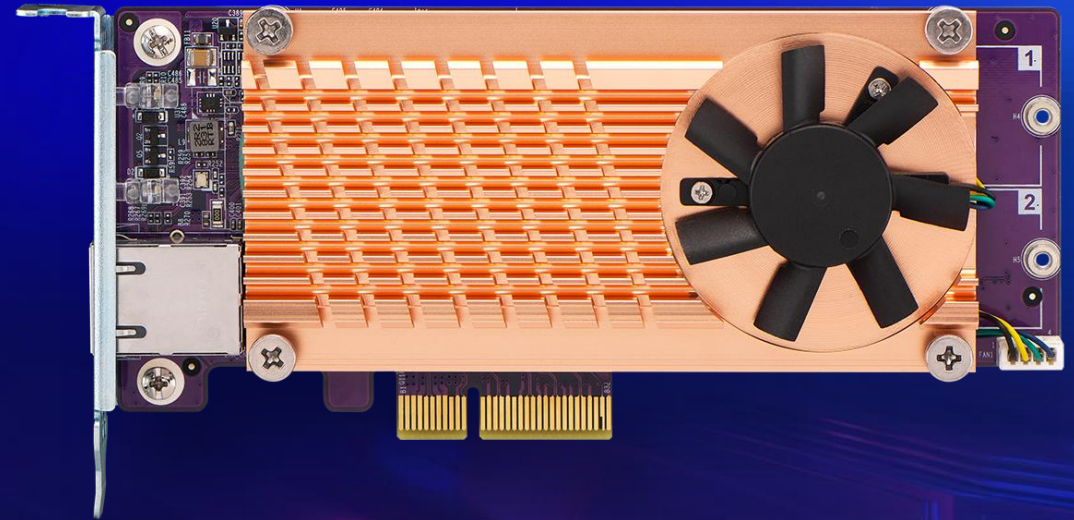
QM2 with Ethernet combo, expand not only M.2 SSD slots but more Ethernet ports

QM2-2S10G1TA



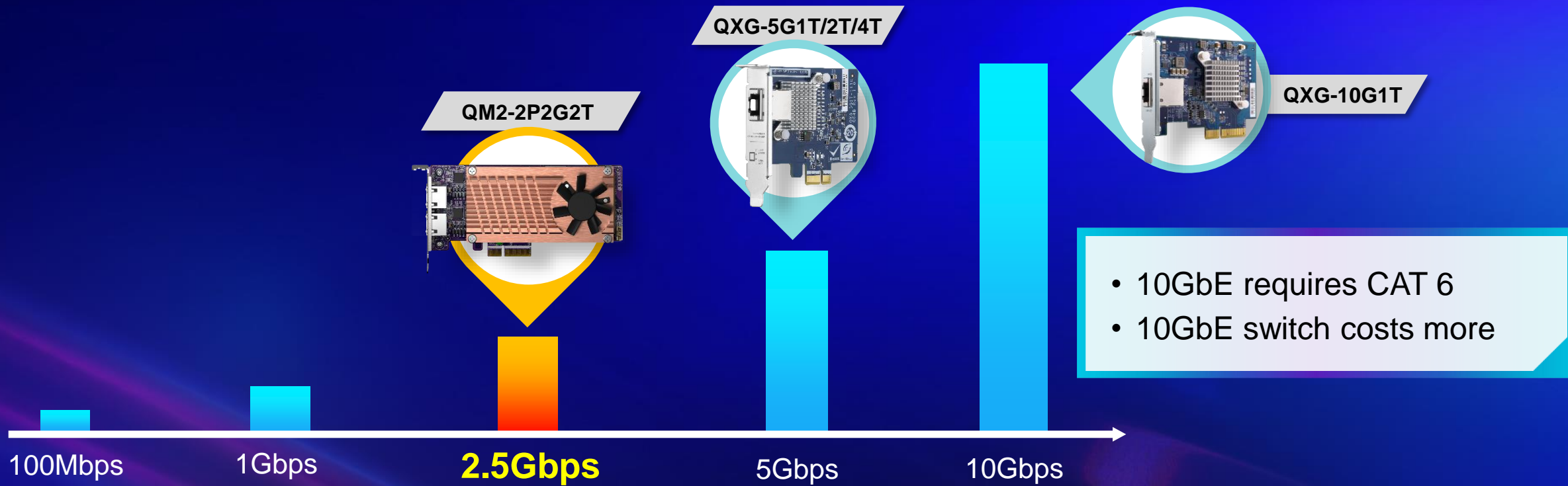
2 x M.2 SATA 6Gbps SSD
1 x 10GBASE-T

QM2-2P10G1TA



2 x M.2 PCIe NVMe SSD
1 x 10GBASE-T

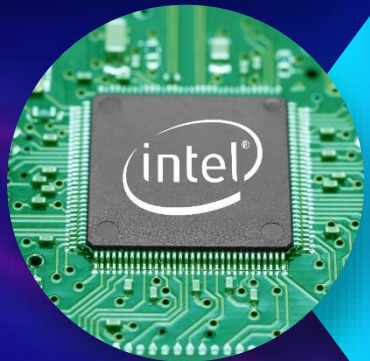
Higher C/P solution between 1GbE and 10GbE



5GbE & 2.5GbE benefits

- Old CAT 5e cable support 2.5Gbps
- Most 10GbE switch support 2.5Gbps. You can also use lower cost 2.5GbE switch

2.5GbE become major player in market



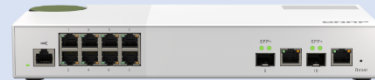
Intel I225-LM

2.5Gbps
1Gbps
100Mbps
10Mbps

2.5GbE switch



QSW-1105-5T



QSW-M2108-2C
QSW-M2108-2S

2.5GbE Router/AP



ROG Rapture
GT-AX11000



NETGEAR
Nighthawk
RAX200

2.5GbE NAS



TS-x53D



TS-x31P3

2.5GbE PC/NB



Intel Z490/ AMD
B550
motherboards

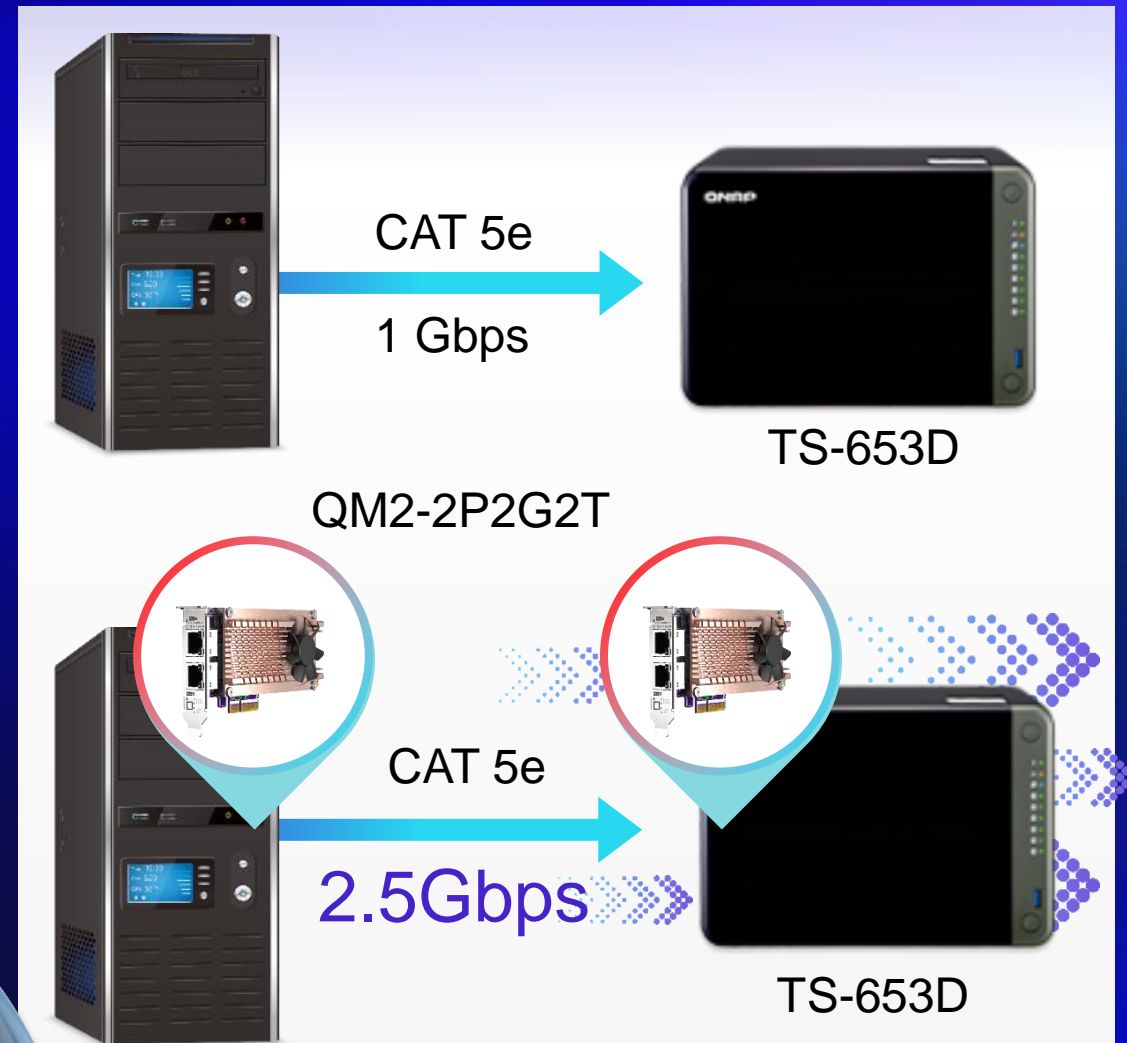


2.5GbE Laptop

Keep using your CAT 5e cable, supports 2.5Gbps

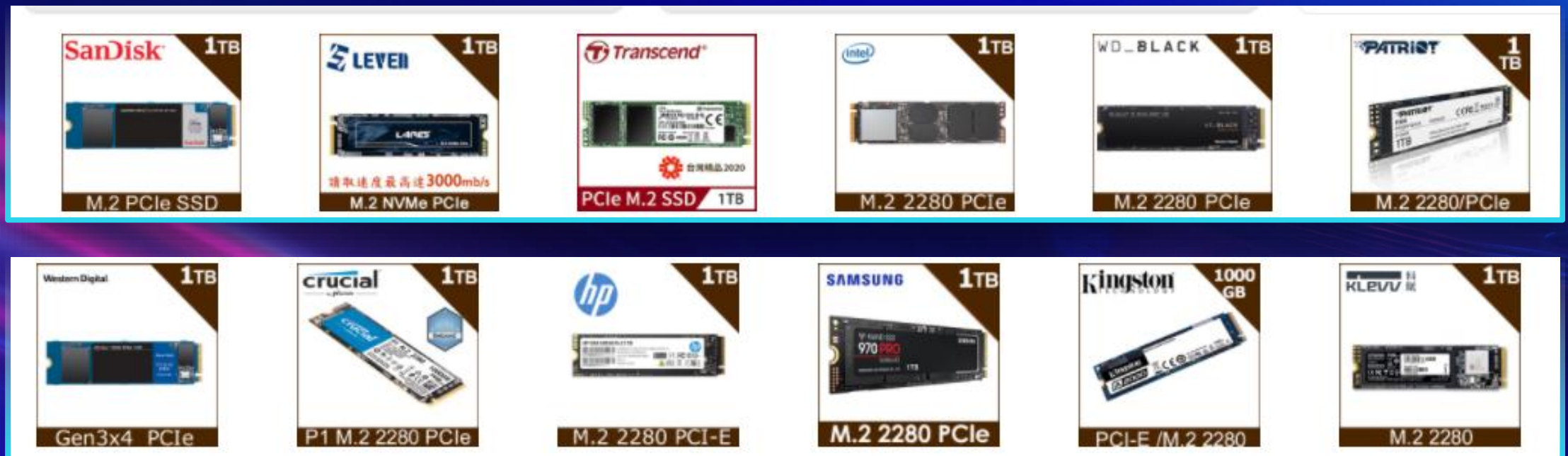
2.5X speed up with original cabling!
support Multi-Gigabit **NBASE-T standard**

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



PCIe Gen 3 NVMe M.2 SSD is the major player

Most of M.2 SSDs start to move on to PCIe NVMe spec, especially PCIe Gen3 as the major spec with higher C/P ratio. Therefore, QNAP is releasing QM2 series with PCIe Gen 3 spec to extend PCIe NVMe M.2 SSD slots for your system.

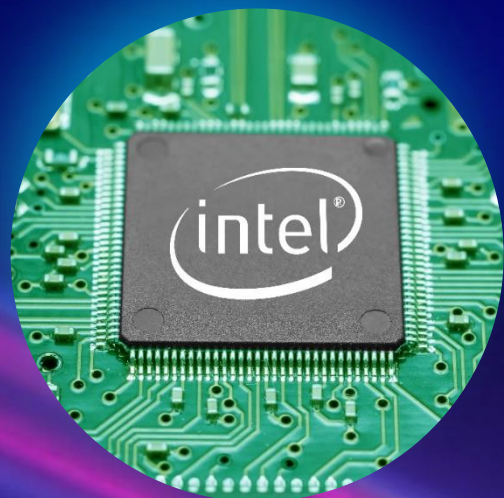


**NEW
PRODUCT**

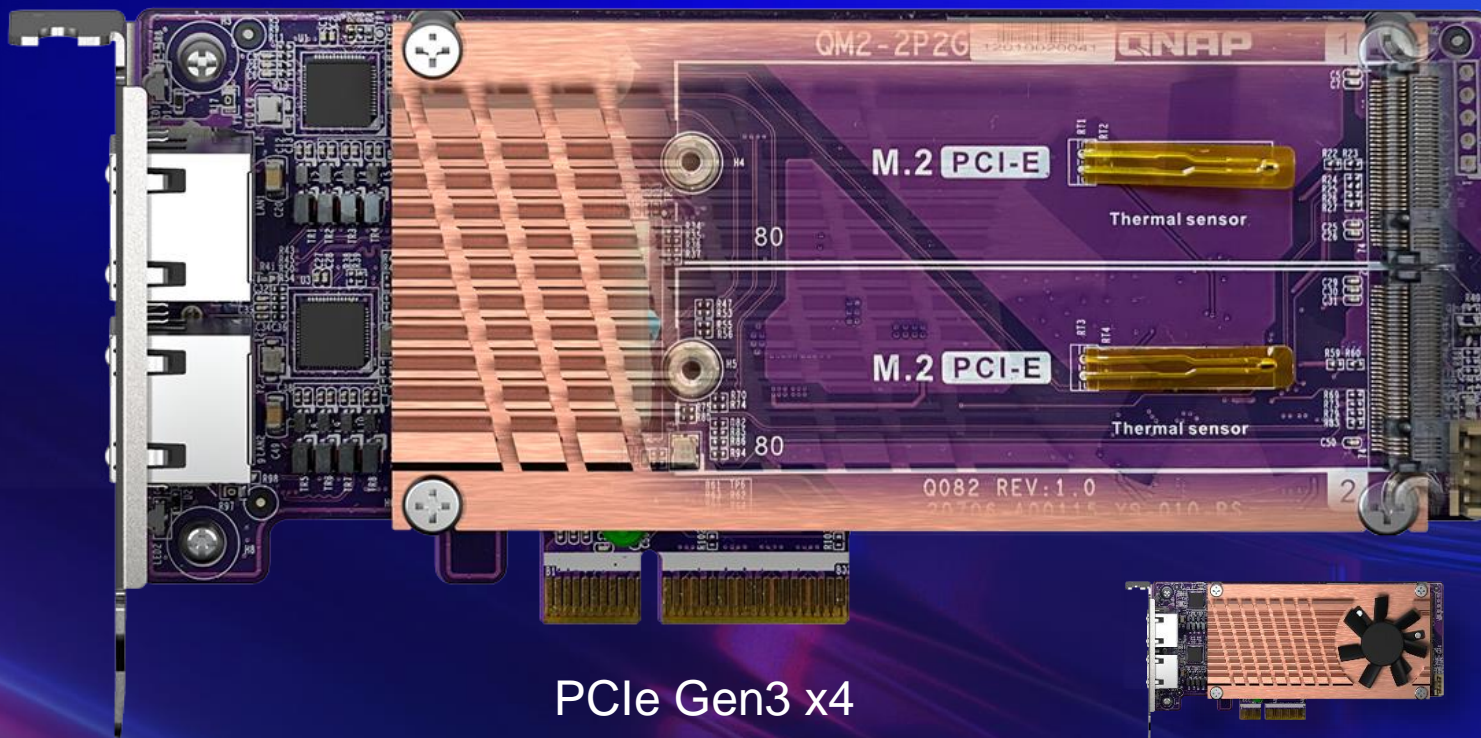
QM2-2P2G2T Dual-port 2.5GbE and Dual M.2 SSD expansion card

QM2-2P2G2T

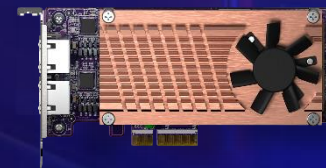
2 x M.2 2280 PCIe NVMe SSD slot



2 x Intel I225-LM
2.5GbE Enterprise
Ethernet controller



PCIe Gen3 x4



Only takes ONE PCIe slot to expand Ethernet and M.2 SSD at the same time!

QM2-2P2G2T provide two 2.5GbE ports, and two PCIe NVMe M.2 SSD ports, but it only takes ONE PCIe slots. Suitable for NAS/PC only have 2 PCIe slots. You could save another slot for SAS / SATA expansion card to expand JBOD for more storage space.

TS-473A



TS-873A



QNAP SAS HBA



QXP-1620S-B3616W



QXP-820S-B3408

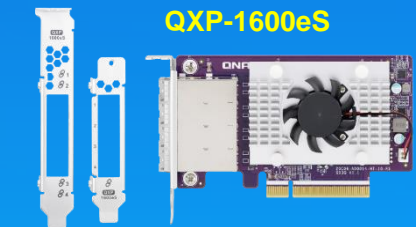
QNAP SATA HBA



QXP-400eS-A1164

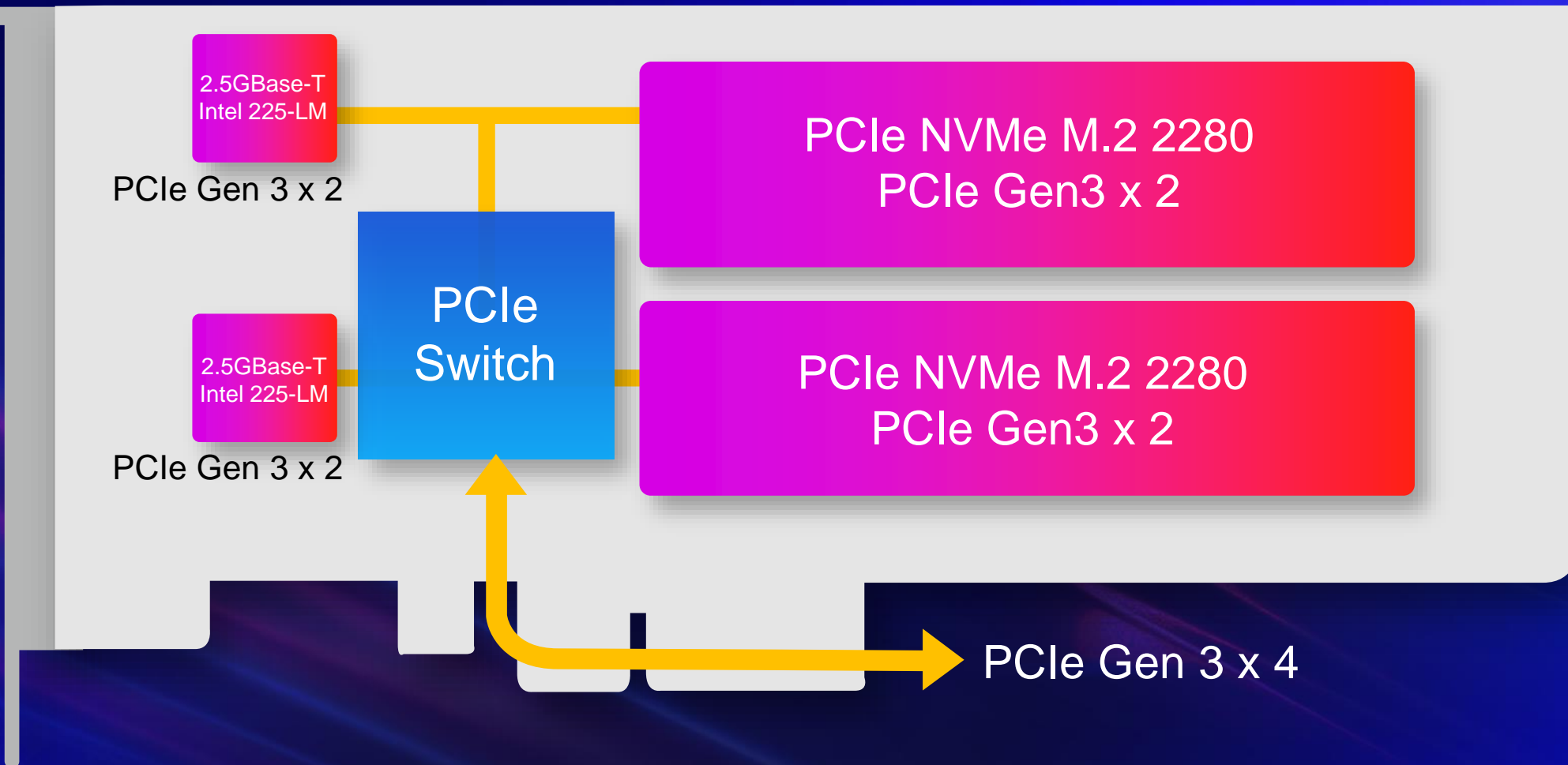


QXP-800eS-A1164



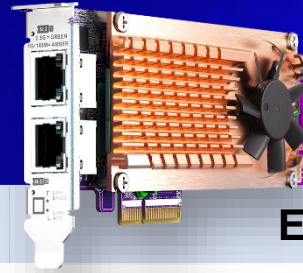
QXP-1600eS

QM2-2P2G2T Architecture



Specification for QM2-2P2G2T

Dual-2.5GbE and Dual M.2 SSD expansion card



QM2-2P2G2T

Ethernet controller	Enterprise-level Intel Foxville I225-LM
# of Ports	2
PCIe	Gen3 x4
Dimension	152.65 x 68.9 x 20.6 (mm)
Ethernet speed	2.5Gbps/1Gbps/100Mbps/10Mbps
Supported OS	<ul style="list-style-type: none">• QTS/QuTS hero 4.5.2 or later• Windows 10 (64bit)• Windows Server 2019 (64bit)• Linux RHEL 8.1/FreeBSD/Legacy PXE/UEFI 2.4/Linux Stable Kernel v4.20/5.x
Package content	1 x NIC; 1 x QIG; 3 x brackets (pre-install half-height)

Half-height design with fan to increase heat dissipation; fits all kinds of chassis

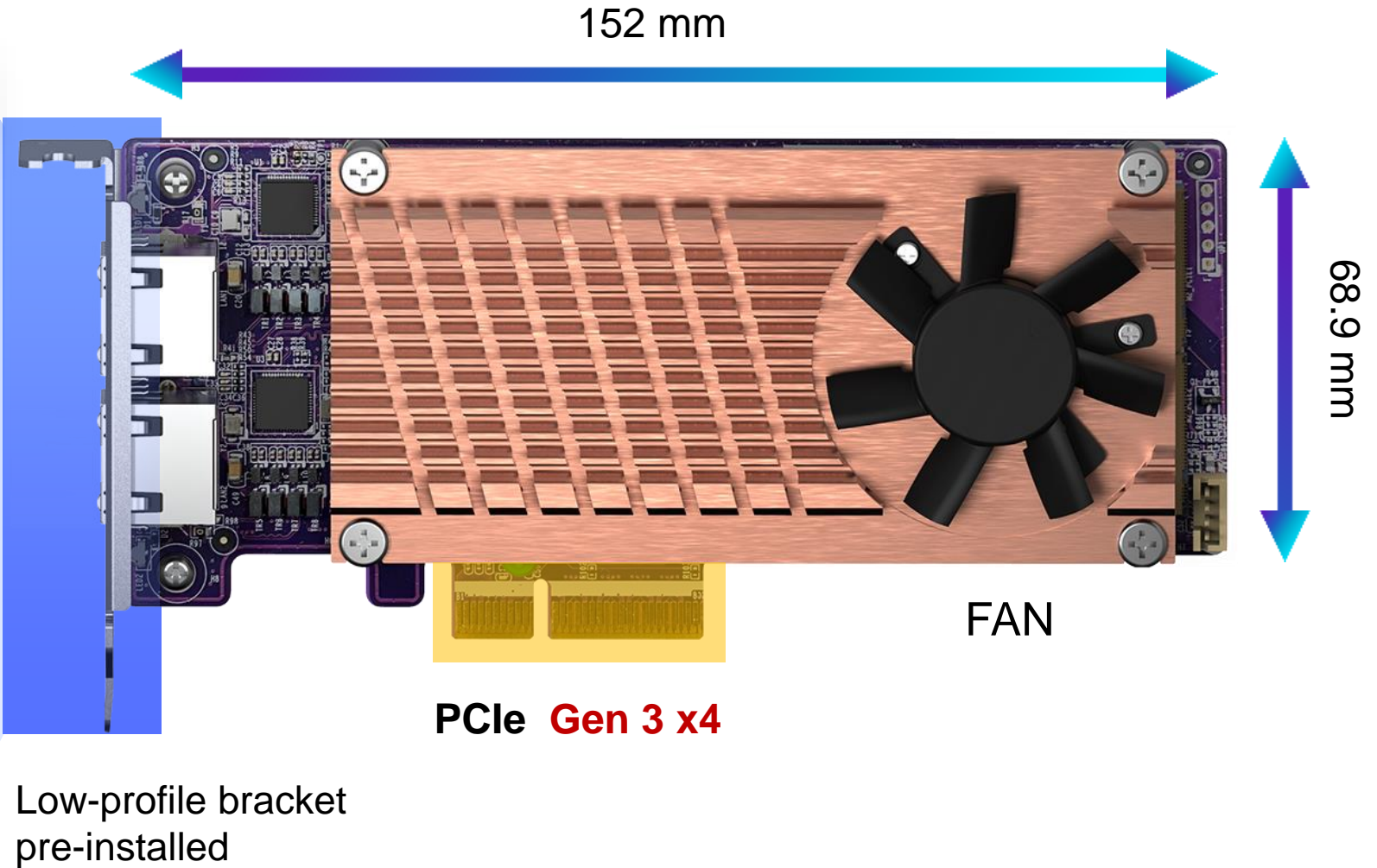
QM2-2G2P2T

full-height and specialized (for selected QNAP NAS) brackets are bundled

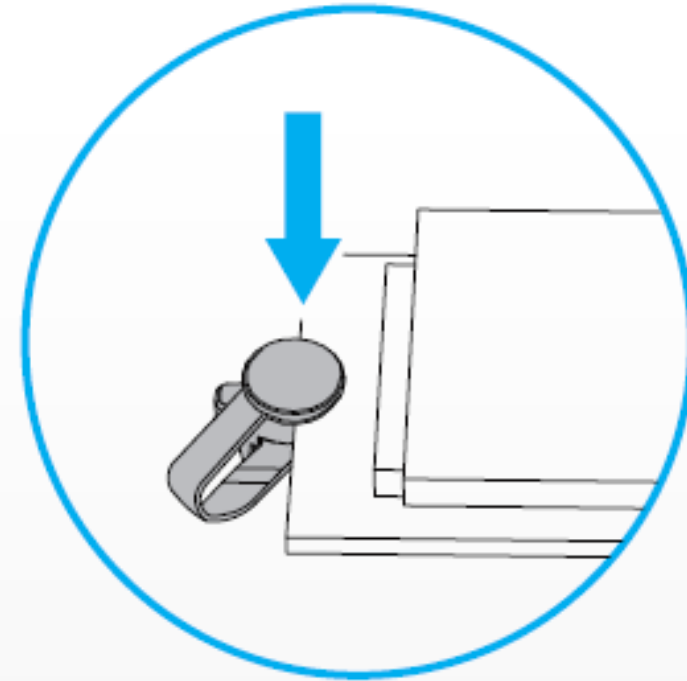
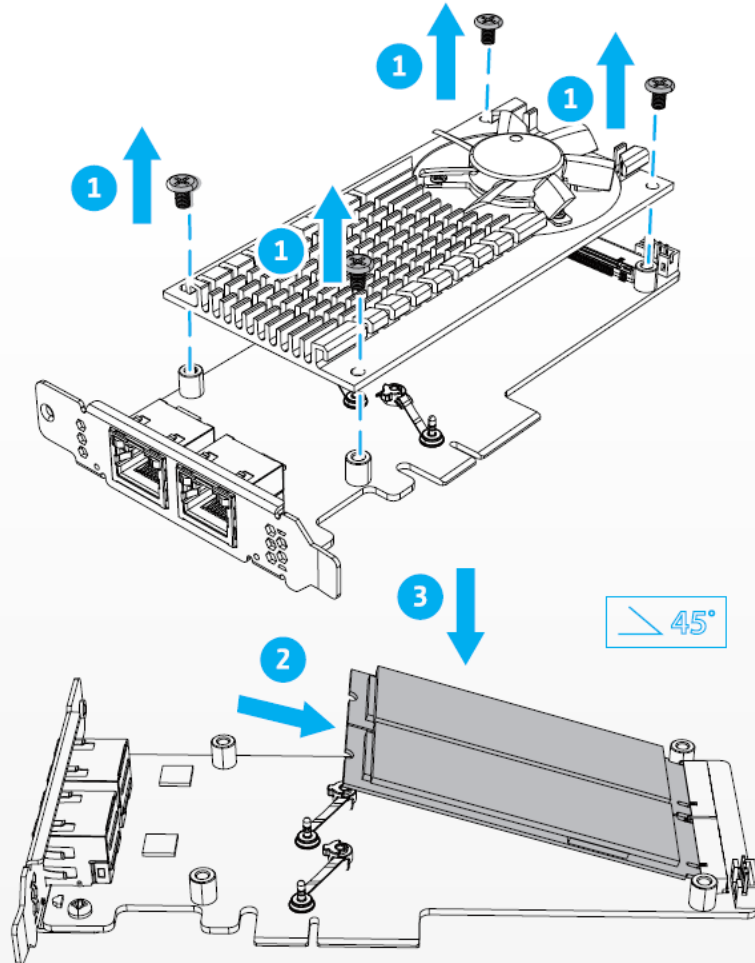


2.5G = GREEN
1G / 100M = AMBER

LINK / SPEED
LINK / L. ACT



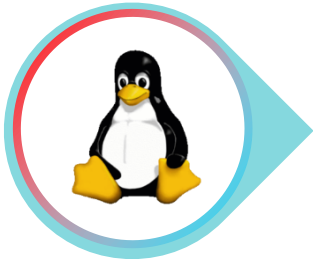
Tool-less click for M.2 SSD installation



QM2-2P2G2T uses the brand-new M.2 screw click which is easy to use

Support many OS - QTS, Windows & Linux

QM2-2P2G2T not only support NAS QTS/QuTS hero, but also support Windows 10 / Windows Server 2019 / Linux / RHEL.



Support PC/Workstation

Please download driver from Intel site

<https://downloadcenter.intel.com/product/184675/Intel-Ethernet-Controller-I225-LM>

Require QTS 4.5.2 / QuTS hero 4.5.2 or later

Support NAS



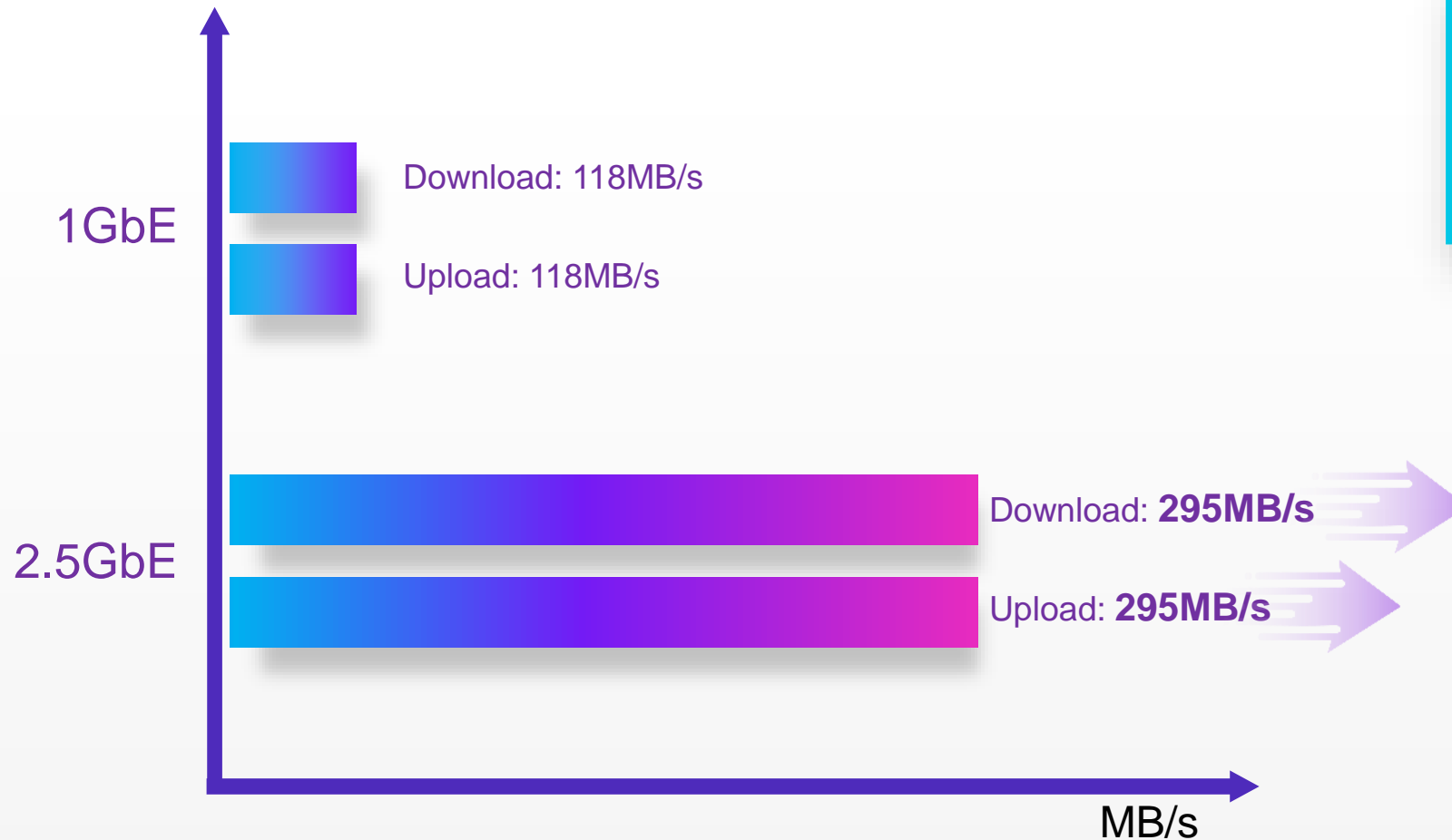
*Find out compatible QNAP NAS on QNAP Compatibility list

Support Windows Server 2019 for enterprise applications

- Most 2.5GbE NIC does not support Windows Server
- QM2-2P2G2T supports Windows Server 2019 with enterprise-level Ethernet controller – Intel I225-LM



Full 2.5GbE performance, fulfilled enterprise applications



PC install QM2-2P2G2T transfer 2.5GB file to NAS,
PC spec:
1. CPU: Intel (R) Core(TM) i7-6700U @ 3.40GHz.
2. OS: Windows 10 Pro
3. Memory: 32 GB.
4. QM2-2P2G2T
5. QM2 上以2 x Samsung 980 pro 組成 RAID0





QNAP Multi-Gig
Ethernet switch,
NIC and dongles

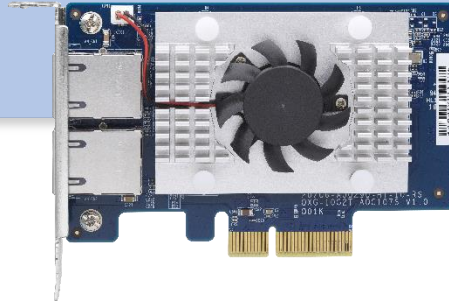
QNAP Multi-Gig Network Interface Cards

5-speed Multi- Gig



QXG-10G1T

- Aqtion AQC107
- 1 x 10GbE NBASE-T
- PCIe Gen3 x4
- Low Profile

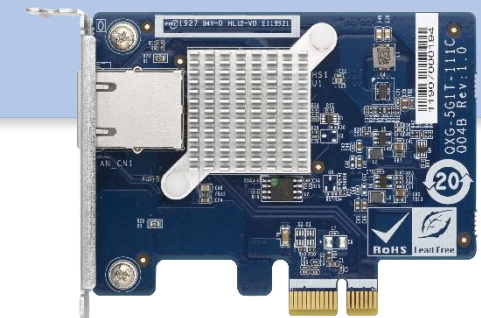


QXG-10G2T-107

- Aqtion AQC107S
- 1 x 10GbE NBASE-T
- PCIe Gen2 x4
- Low Profile

10GbE

4-speed Multi- Gig



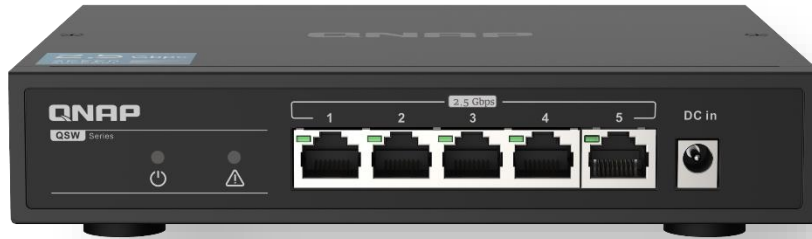
QXG-5G1T-111C
QXG-5G2T-111C
QXG-5G4T-111C

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

5GbE

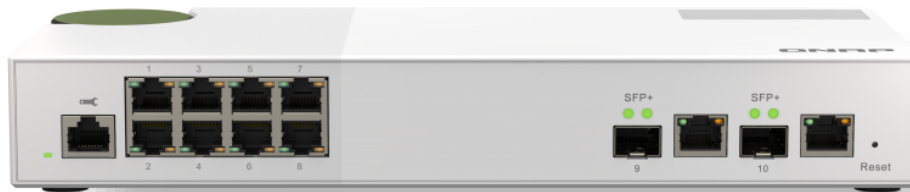
QSW 2.5GbE NBASE-T Ethernet switches

QSW-1105-5T



5-port 2.5GbE Fan-less unmanaged switch

QSW-M2108-2C



8-port 2.5GbE and 2-port 10GbE web-management switch

QNAP Multi Gig Ethernet accessories (dongle)

QNA-UC5G1T



Host with USB 3.2 Gen 1

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

PC/Laptop with
USB 3.2 Gen 1
upgrade to
5Gbps

QNA-T310G1T

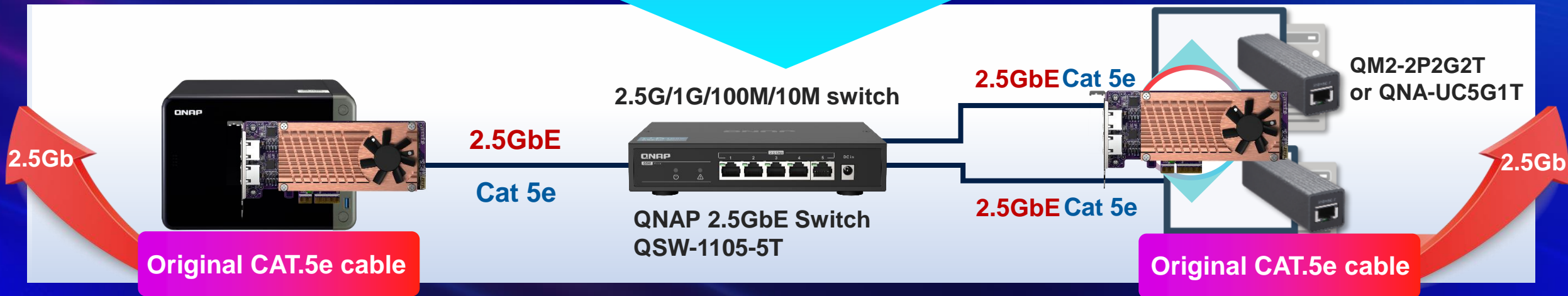
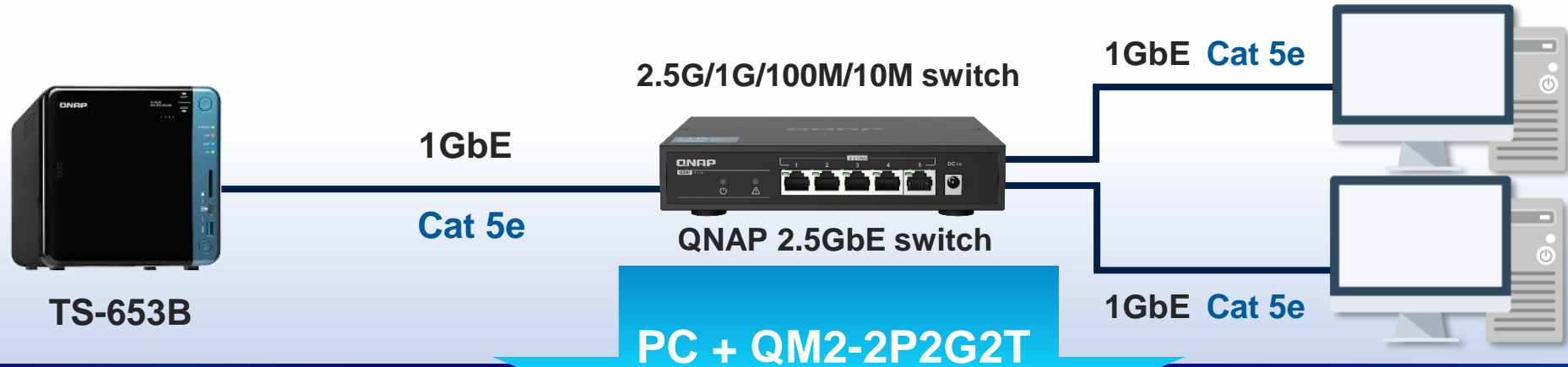


Host with Thunderbolt 3

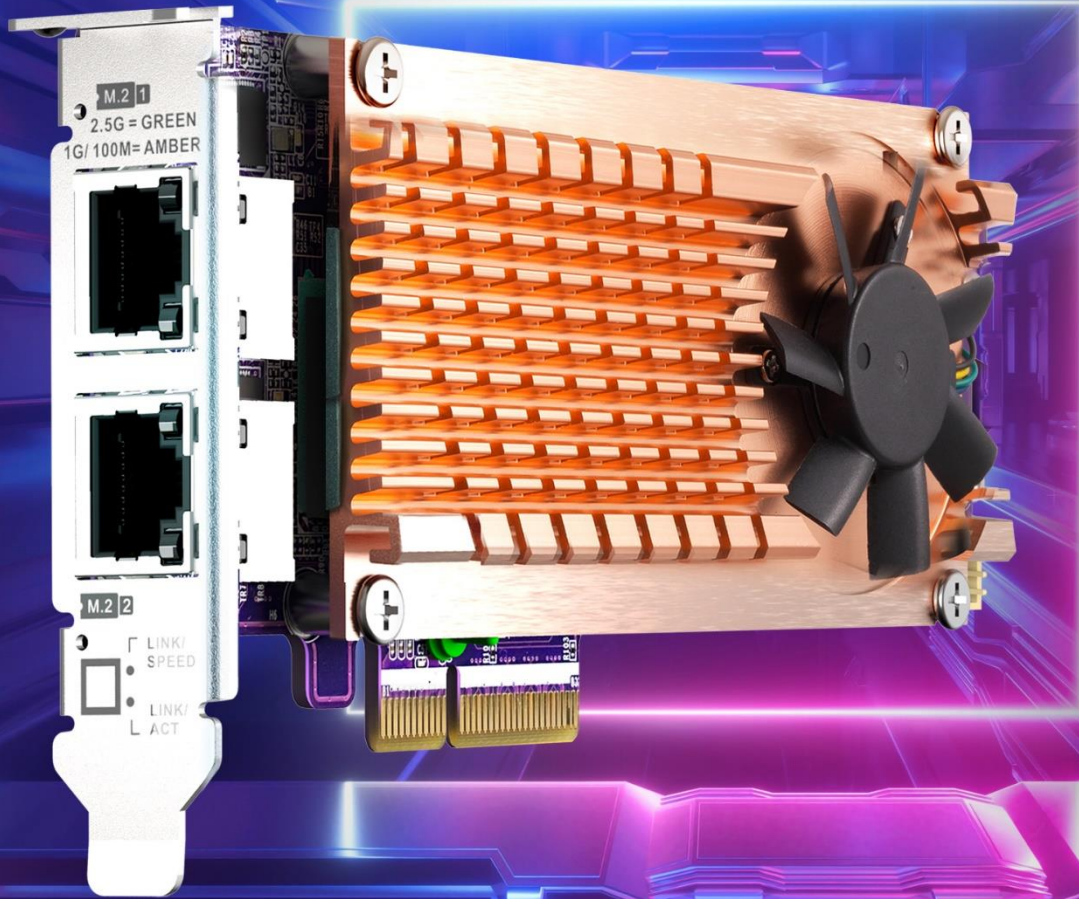
- 10G/5G/2.5G/1G/100M 5-speed
- RJ45 NBASE-T port

Thunderbolt3
Mac/PC
upgrade to
10Gbps

2.5 times speed up with original cabling



QNAP



QM2-2P2G2T

2 x 2.5GbE & 2 x M.2 SSD Expansion Card

Spend less, get more !



2 x PCIe NVMe SSD



2 x 2.5GbE



PCIe Gen3