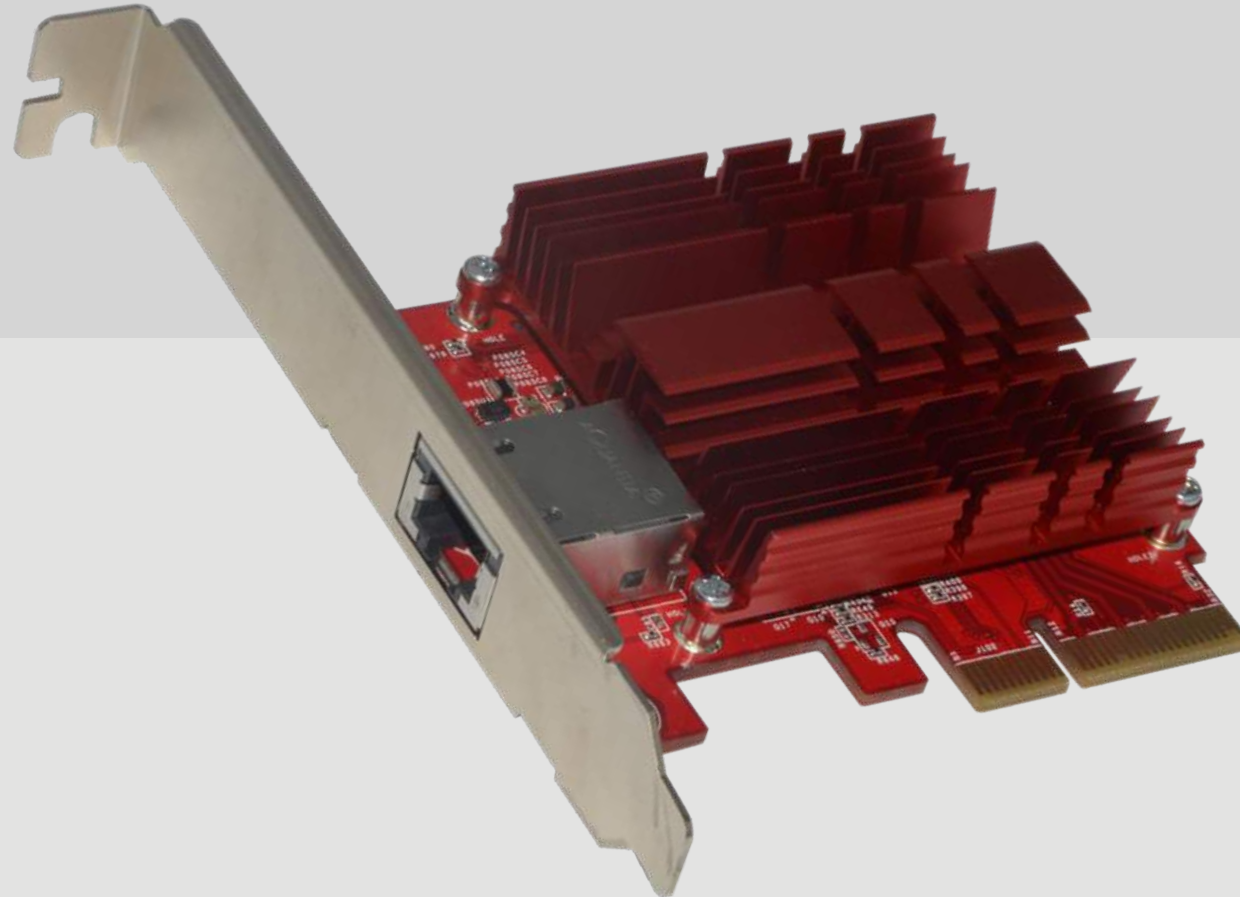# cudy

Model

PE 20

10G PCI Express Network Adapter

1.Description

PE20 Network Interface Card(NIC) is a high-performance PCIe 3.0 Multi-Gig Ethernet adapter.This NIC supports 10GBASE-T Ethernet in compliance with the IEEE802.3an standard, as well as 5 Gbps and 2.5 Gbps Ethernet speeds over standard Cat 5e andCat 6 copper cables. It incorporates Aquantia's AQrate PHY technology to deliver 10 GbE, 5 GbE and 2.5 GbE network connectivity speeds over 100 m with zero change required for legacy cabling. It is ideally suited for client PCs and workstations.

2. Features

1. 100 meters over Cat 6a at 10G/5G/2.5G/1G/100M or Cat 5e at 5G/2.5G/1G/100M.

2. Supports line rates of 8.0 GT/s and 5.0 GT/s per lane.

3. PHY power savings mode.

4. Supports IEEE 802.3bz–NBASE-T , IEEE 802.3x–flow control , IEEE 802.1P–quality of service , IEEE 802.1QAV–AVB.

5. Supports drivers for Windows 10, 8.1, 8.0, 7 (32-Bit/64-Bit).

6. LED indication state for Link/Active,Speed.

3. Specification

Model	PE20
Chipset	AQC107-B1-C
Standards	IEEE 802.3an, IEEE 802.3bz – NBASE-T, IEEE 802.3x – flow control, IEEE 802.1P – quality of service, IEEE 802.1QAV – AVB
PCI Bus	PCI EXPRESS
Protocol	PTP/1588v2
Transmission Rate	100M/1000M/2.5G/5G/10G
Network Media (Cable)	100BASE-TX, 1000BASE-T, 2.5GBASE-T, 5GBASE-T: UTP category 5e cable (maximum 100m) 10GBASE-T: UTP category 6, 6a cable (maximum 100m)
Number of Ports	1x 100M/1000M/2.5G/5/10Gbps Auto-NegotiationRJ45 ports
LED indicators	Link/Act、Speed
Dimensions (L × W)	82.1 x 68.5 mm （PCBA)
Environment	Operating Temperature: 0°C~45°C Storage Temperature: -40°C~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing