

PCIe-10G550X

2-port 10GbE Network Adapter with IEEE 802.3at PoE+



CE FC

Key Features

- Two 10 GbE ports by Intel® X550-AT2 10 GigE controller
- Gen3 PCI Express x4 interface
- Supports 10GbE with CAT-6/ 6a cable (Max. 100 meters)
- Supports NBASE-T and 1000BASE-T with CAT-5/ 5e cable
- Supports 15.5 KB jumbo frame, NIC teaming and IEEE 1588

Introduction

Featuring Intel X550-AT2, Neousys Technology's PCIe-PoE550X offers a cost-effective 10GBASE-T solution for growing 10GbE applications. 10GBASE-T leverages twisted-pair copper cable and RJ45 connector, dramatically reducing the deployment cost of a 10G network. PCIe-PoE550X provides 10Gbit/s connections over a distance of up to 100 meters with CAT 6a cable or 55 meters with CAT 6 cable. It also supports the upcoming NBASE-T standard and is backward compatible with the existing 1000BASE-T GbE network, so you can easily implement it into your current network infrastructure.

Specifications

Bus Interface	Gen3 PCI Express x4
# of 10 GbE Port	2x 10 GbE ports by Intel® X550-AT2 controller, supporting 15.5 KB jumbo frame, teaming and IEEE 1588
Network Protocol Support	IEEE 802.3 Ethernet interface for 10GBASE-T (IEEE 802.3an), NBASE-T (IEEE 802.3bz) and 1000BASE-T (IEEE 802.3ab)
PoE Capability	Optional IEEE 802.3at-2009 (PoE+), up to 25.5W per port
Cable Requirement	For 10GBASE-T: CAT 6a (100 meters) or CAT 6 (55 meters) For 5 Gbps NBASE-T: CAT 6 (100 meters) For 2.5 Gbps NBAST-T: CAT 5e (100 meters)
Power Requirement	Maximum 11.5W for 2x 10 GbE operation Maximum 51W for powering PoE+ devices
EMC	CE Class A, according to EN 55024/ 55032 FCC Class A, according to FCC Part 15, Subpart B
EMS	IEC 61000-4-x Class/ Level 3
Operating Temperature	0°C ~ 60°C with air flow
Dimension	168 mm (W) x 111.2 mm (H)

Ordering Information

Model No.	Product Description
PCIe-PoE550X	2-port 10GbE Network Adapter with IEEE 802.3at PoE+
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