

PCIE-POE550X 10 GB ETHERNET FRAME GRABBER CARD

NUVO_PCIE-POE550X
10 GigE PoE+ card PCIe 2-port

- 2 x 10Gb Ethernet port
- Intel® X550-AT2 10 GigE controller
- IEEE 802.3at PoE+ support
- 15.5 KB jumbo frame, NIC teaming and PTP



PRODUCT DESCRIPTION

Introducing the world's first 10Gbit Ethernet NIC incorporating IEEE 802.3at PoE+ capability, featuring Intel's X550-AT2 silicon, Neosys Technology's PCIe-PoE550X offers cost-effective 10GBASE-T solution for growing 10GbE applications.

PCIe-PoE550X features 10GbE NIC incorporating Power over Ethernet (PoE+) capability. It features Neosys' proven 802.3at PoE+ technology and refined power design to ensure optimal signal integrity over 10G PHY and maximal bandwidth. The combination of 10GbE and PoE opens the door to new applications such as high-performance WiFi access points and high-speed/ high-definition industrial cameras over single Ethernet cable.

10GBASE-T leverages twisted-pair copper cable and RJ-45 connector that dramatically reduces the deployment cost of 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 upcoming NBASE-T standard as well as backward compatibility with existing 1000BASE-T GbE network so you can easily implement it into your current network infrastructure.

Specifications:

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|--------------------------|---|
| 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) 15.5KB jumbo frame, NIC teaming (load balancing and failover) IEEE 1588 |
| PoE Capability | Compliant with IEEE 802.3at-2009 (PoE+), each port delivers up to 25.5 W of power |
| Cable Requirement | For 10GBASE-T: CAT 6a (100 meters) or CAT 6 (55 meters) For 5Gbps NBASE-T: CAT 6 (100 meters) For 2.5Gbps NBASE-T: CAT 5e (100 meters) |
| Power Requirement | Maximal 11.5W for 2x 10 GbE operation Maximal 51W for powering PoE+ devices |
| EMC | CE Class A, according to EN 55022/55024 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 | 167.7 mm (W) x 111.2 mm (H) |

SPECIFICATIONS

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|-------------------------------|--|
| Chipset | Intel X550-AT2 |
| Height | 111,2 mm |
| Power consumption | Maximum 11.5W for 2x 10GbE, 51W for PoE+ devices |
| Temperature range from | 0 °C |
| Temperature range to | 60 °C |
| Width | 167,7 mm |