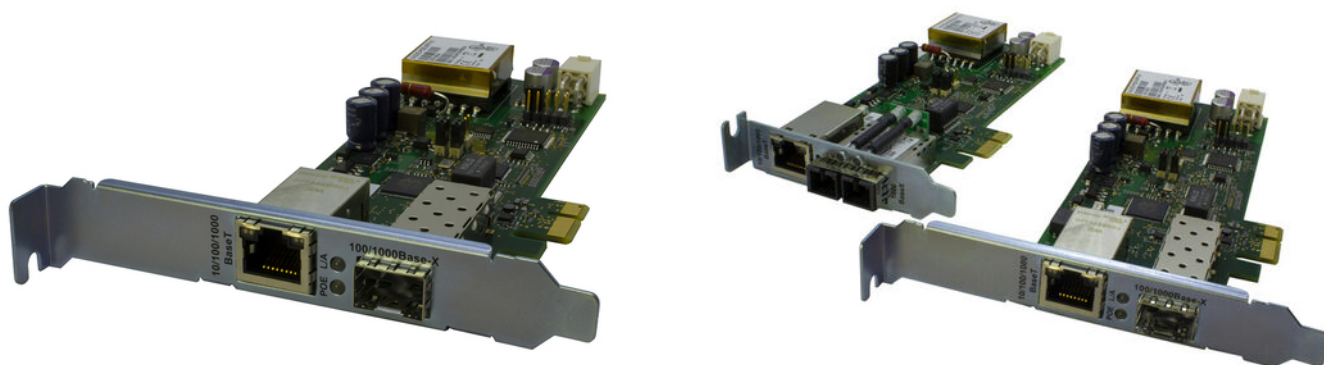


Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port
(includes optional low-profile bracket)



Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%



tde[®] trans data elektronik GmbH

Headquarter address:

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 8805 61 13
Fax.: +49 231 8805 61 15

info@tde.de | www.tde.de

Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port
(includes optional low-profile bracket)

The N-GXE-POE-xx-01 Series is a Fiber Gigabit Ethernet PCIe Network Interface Card (NIC) which provides connectivity to a secure fiber network while also delivering power to a PoE powered device (PD), such as a VoIP phone, with a copper UTP interface. It fully complies with all IEEE 802.3z and 1000Base-X standards, providing up to 2000 Mbps full-duplex bandwidth capacity.

Developed to support high-end users, this (2) port NIC has (1) 1000Base-X fiber network interface port (SFP version is 100/1000Base-X) and (1) switched 10/100/1000Base-T port supporting IEEE 802.3at PoE+ power. It is designed to allow a PC to power a VoIP phone, or any other traditional copper powered device, over a secure fiber network. Additionally, the NIC also has the ability to provide traffic switching functions between the copper and fiber ports, even when the PC is in a sleep mode.

Combining the functions of PC connectivity and VoIP phone connectivity into one device saves installation time, expense, and the space of having two devices at the desktop. When the VoIP traffic is filtered and prioritized by third-party devices like an Ethernet switch and the IP phone, this PoE NIC will pass all tagged traffic ensuring users experience a high level of Quality of Service (QoS). VLANs and Prioritization can also be configured at the NIC via Lantronix' PoE NIC utility software.

Features

- High bandwidth 1000Mbps
 - Supports Full-duplex Mode
 - Supports IEEE 802.3x Full-Duplex Flow Control
 - Supports PCIe x1 bus
 - Compliant with PCIe Rev 2.1 Interface
 - Supports Jumbo Frames
 - Supports High Level VLAN Filtering Function
 - IPv6 capable
 - Supports IP headers and TCP/UDP checksum offload
 - Wake-on-LAN (WoL) power management
 - PXE 2.1 Boot ROM Supported
 - ACPI 2.0 Link Status LED for each port
 - Driver Support
-
- Windows 7
 - Windows 8, 8.1
 - Windows 10
 - Windows Server 2008
 - Windows Server 2012
 - Vista
 - Linux

Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port
(includes optional low-profile bracket)

- Available with a fixed LC port or an open SFP port

Technical Data

Standards

- IEEE 802.3-2000
- IEEE 802.3z
- IEEE 802.3x
- IEEE 802.1Q
- IEEE 802.1P
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at

MAC Address

- 8k MAC address table

Max Packet Size

- Jumbo Frames, 10k bytes

Jumper Switches

- Legacy PoE
- Energy Efficient Ethernet (EEE) enable/disable

Status LEDs

- L/A Fiber Link/Activity
- PoE Power-over-Ethernet
- RJ-45 Upper Lf TP Link/Activity/Speed
- RJ-45 Upper Rt TP Duplex

Dimensions

- Width: 4.8" [121.9 mm]

Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port
(includes optional low-profile bracket)

- Depth: 6.5" [165.1 mm]
- Height: 0.9" [22.86 mm]

Power Consumption

- 1.6 Watts (typical without PoE)
- 43.6 Watts (typical with PoE)

Voltage Input

- PCIe 3.3V
- 12V Peripheral connection for PoE

PoE

- Mode A Power

Environment

- Operating: 0°C to 50°C
- Storage: -15°C to 65°C
- Humidity: 5% to 95% (non-condensing)
- Altitude: 0 – 10,000 ft.

Weight

- 2 lbs. [0.90 kg]

MTBF

- Greater than 260,500 MIL-HDBK-217F Hours
- Greater than 716,375 Bellcore Hours

Certifications

- Emission: EN55022 Class B, CE, UL Listed
- Immunity: EN55024

Warranty

Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port
(includes optional low-profile bracket)

- Lifetime

Product variants & accessories

Art.-No.	Description
N-GXE-POE-SFP-01	Gigabit Ethernet PCIe NIC with a 100/1000Base-X Open SFP fiber slot + 10/100/1000Base-T PoE+ port (includes optional low-profile bracket)