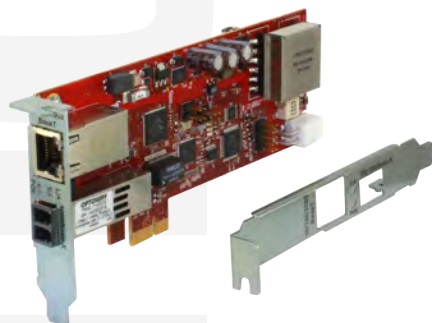


N-GXE-PoE-xx-01

PCIe Gigabit Ethernet Fiber Network Interface Card with POE+

1000Base-X and 10/100/1000Base-T POE+



The N-GXE-POE-xx-01 Network Interface Card (NIC) 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 two-port NIC has one 1000Base-X fiber network interface port and one 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. VLANs and Prioritization can also be configured at the NIC via Transition's 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
- 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
- Low-profile bracket included
- Driver Support
 - Windows 7
 - Windows 8.1
 - Windows 10
 - Windows Server 2003
 - Windows Server 2008
- Available with a fixed LC port or an open SFP port

Specifications

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	
Jumper Switches	Legacy PoE Energy Efficient Ethernet (EEE) enable/disable Primary LPT Select	
LEDs	L/A POE RJ-45 Upper Lf RJ-45 Upper Rt	Fiber Link/Activity Power over Ethernet TP Link/Activity/Speed TP Duplex
Max Packet Size	Jumbo Frames, 10k bytes	
Mac Addresses	8k MAC address table	
Dimensions	Length: 6.5" [165.1 mm] Width: 4.8" [121.9 mm] Height: 0.9" [22.86 mm]	
Power input	PCIe 3.3V, 3.3VDC 12V Peripheral connection	
Power Consumption	3.2W PCIe, 30W PoE	
Power over Ethernet	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]	
Compliance	Emission: EN55022 Class B, CE Immunity: EN55024	
Warranty	Lifetime	



Ordering Information

N-GXE-PoE-LC-01

1000Base-SX 850nm Multimode LC
[50/125um fiber: 550 m/1804 ft.]
[62.5/125 um fiber: 220 m/722 ft.]
Link Budget: 8.0 dB
Plus 10/100/1000Base-T PoE+

N-GXE-PoE-SFP-01

Gigabit Ethernet PCIe NIC with a 1000Base-X
Open SFP fiber port, plus a
10/100/1000Base-t PoE+ port

SFP+ Modules Sold Separately

Optional Accessories

27246

Cable assembly, 4 pin Molex to ATX Power
Cable Adapter

28582

Cable assembly, 4 pin Molex to SATA 15 pin
Female Power Adapter

28583

6 inch SATA Power Y Splitter Cable Adapter-M/F

N-PoE-CBLKIT

3 piece cable kit for 12V power input
connectivity options
(Includes 27246, 28582, 28583)

N-POE-EPC

Ethernet packet controller software utility used
for VLAN configuration within the NIC. Free
download from transition.com