

# PCIe-PoE334LP

## Low-profile 4-port server-grade gigabit mobile surveillance PoE+ NIC card with 1kV surge protection

### Key Features

- Low-profile form-factor
- 4x ports via Intel® I350-AM4 server-grade GigE controller
- Compliant with IEEE 802.3at to deliver 25.5 W each port
- IEC 61000-4-5 Class 2 surge immunity
- Supports 9.5 kB jumbo frame, teaming and IEEE 1588
- Per-port PoE+ power on/ off control via software API



### Introduction

PCIe-PoE334LP is the latest member of Neosys' PoE NIC card family. It is the world's first PoE card to integrate 4-port server-grade GigE controller and 802.3at PoE+ into a low-profile PCIe card. The low-profile form-factor makes PCIe-PoE334LP the perfect solution for commercial off-the-shelf 2U server computers.

PCIe-PoE334LP is designed with Intel® I350-AM4 GigE controller to offer extraordinary Ethernet performance. It inherits Neosys' proven PoE technology to power your machine vision cameras and surveillance IP cameras. In addition, PCIe-PoE334LP features solid surge protection design compliant with IEC 61000-4-5 Class 2. It is capable of withstanding 1 kV surge and 8 kV ESD on signal lines. This is particularly valuable for outdoor surveillance system or factory automation equipment where power surge may damage the system through the Ethernet connection. Incorporating low-profile form-factor and robust surge protection, PCIe-PoE334LP defines a new category of PoE card - a compact and yet solid PoE card for servers and rugged industrial applications.

### Specifications

<b>Bus Interface</b>	x4, Gen2 PCI Express
<b>Gigabit Ethernet Port</b>	4x GigE ports by Intel® I350-AM4 controller, supporting 9.5 kB jumbo frame, teaming and IEEE 1588
<b>PoE Capability</b>	In compliance with IEEE 802.3at-2009 (PoE+), each port delivers up to 25.5 W of power 75W total power budget (limited by PCI Express bus)
<b>Cable Requirement</b>	CAT-5e or CAT-6 cable, 100 meters maximal
<b>Power Requirement</b>	Maximum 1.2 A @ 3.3 V from PCI Express bus Maximum 6.2A @ 12 V from PCI Express bus
<b>EMC</b>	CE Class A, according to EN 55022/ 55024/ 55032 FCC Class A, according to FCC Part 15, Subpart B
<b>EMS</b>	IEC 61000-4-x Class/ Level 2
<b>Operating Temperature</b>	0°C ~ 55°C with air flow
<b>Dimension</b>	168 mm (W) x 69 mm (H)

### Ordering Information

Model No.	Product Description
<b>PCIe-PoE334LP</b>	Low-profile 4-port server-grade Gigabit 802.3at PoE+ card with 1 kV surge protection