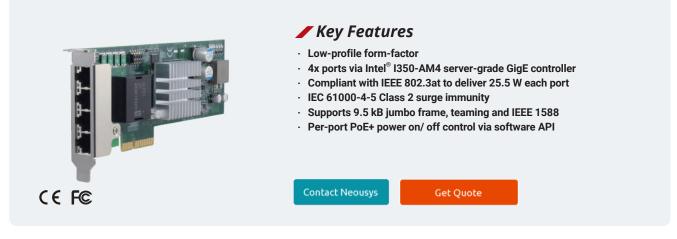


## PCIe-PoE334LP

Low-profile 4-port Server-grade Gigabit PoE+ Card with 1 kV Surge Protection



## Introduction

PCIe-PoE334LP is the latest member of Neousys' 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<sup>®</sup> I350-AM4 GigE controller to offer extraordinary Ethernet performance. It inherits Neousys' 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

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

## **Ordering Information**

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