

# PCIe-PoE334LP

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



CE FCC

## 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

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## 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® 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

|                              |                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <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<br>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<br>Maximum 6.2A @ 12 V from PCI Express bus                                                       |
| <b>EMC</b>                   | CE Class A, according to EN 55022/ 55024/ 55032<br>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                                                                  |
|---------------|--------------------------------------------------------------------------------------|
| PCIe-PoE334LP | Low-profile 4-port server-grade Gigabit 802.3at PoE+ card with 1 kV surge protection |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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