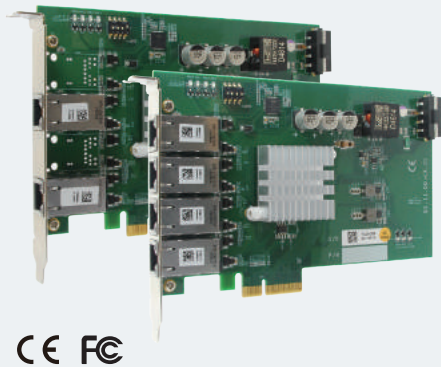


# PCIe-PoE354at/PoE352at

4-Port / 2-Port Server-grade Gigabit 802.3at PoE+ Frame Grabber Card



CE FC

## Key Features

- x4, Gen2 PCI Express interface (2GB/s total bandwidth)
- Intel® I350 server-grade Gigabit Ethernet controller
- Supports four (354at) or two (352at) independent GigE ports
- Compliant with IEEE 802.3at to deliver 25.5 W each port
- Supports 9.5 kB jumbo frame, teaming and IEEE 1588
- Per-port PoE+ power on/ off control

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## Introduction

PCIe-PoE354at is world's first PoE frame grabber card combining server-grade GigE controller and 802.3at PoE+ capability. Inheriting Neosys' expertise on PoE technology, PCIe-PoE354at further incorporates the updated 802.3at-2009 standard and offers up to 25.5W of power each port. PCIe-PoE354at is designed with Intel® I350 Gigabit Ethernet controller. This server-grade GigE controller incorporates advanced features such as checksum offloading, segmentation offloading and intelligent interrupt generation/ moderation to increase overall Ethernet performance and reduce CPU utilization. In addition, its single-bus, multi-port topology minimizes compatibility issues with off-the-shelf motherboards when installing multiple cards.

Machine vision applications can be benefited by PCIe-PoE354at's server-grade network performance. Its 25.5W PoE+ can now power PTZ (pan-tilt-zoom) cameras for surveillance applications. With an excellent cost-per-performance ratio, PCIe-PoE354at is your ideal Power over Ethernet solution.

## Specifications

|                       | PCIe-PoE354at  | PCIe-PoE352at   |
|-----------------------|--|---|
| Bus Interface         | x4, Gen2 PCI Express   |   |
| Gigabit Ethernet Port | 4x GigE ports by Intel® I350-AM4 controller, supporting 9.5 kB jumbo frame, teaming and IEEE 1588                      | 2x GigE ports by Intel® I350-AM2 controller, supporting 9.5 kB jumbo frame, teaming and IEEE 1588 |
| PoE Capability        | In compliant with IEEE 802.3at-2009 (PoE+), each port delivers up to 25.5 W of power                                   |   |
| Cable Requirement     | CAT-5e or CAT-6 cable, 100 meters maximum  |   |
| Power Requirement     | Maximum 1.2A @ 3.3V from PCI Express bus<br>Maximum 9.6A @ 12V from PCI Express bus or on-board 4-pin power connector* | Maximum 0.9A @ 3.3V from PCI Express bus<br>Maximum 4.8A @ 12V from PCI Express bus**             |
| Operating Temperature | 0°C ~ 55°C   |   |
| Dimension             | 168 mm (W) x 111 mm (H)  |   |

\* PCIe-PoE354at is designed to obtain 12 VDC for PoE devices from either PCI Express bus or on-board 4-pin power connector according to a user-configurable jumper.

\*\* PCIe-PoE352at is designed to obtain 12 VDC for PoE devices directly from PCI Express bus. No external 12 VDC is needed.

## Ordering Information

| Model No.     | Product Description   |
|---------------|---|
| PCIe-PoE354at | 4-Port Intel® I350-AM4 server-grade Gigabit 802.3at PoE+ frame grabber card |
| PCIe-PoE352at | 2-Port Intel® I350-AM2 server-grade Gigabit 802.3at PoE+ frame grabber card |