

# PCIe-PoE354at/PoE352at

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



## Key Features

- x4, Gen2 PCI Express interface offering 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

CE FC

## 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 implements the updated 802.3at-2009 standard and offers up to 25.5W of power each port. PCIe-PoE354at is designed with state-of-the-art 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 the compatibility issue 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. PCIe-PoE354at presents the best cost/performance ratio for your 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 maximal	
Power Requirement	Maximal 1.2 A @ 3.3 V from PCI Express bus Maximal 9.6 A @ 12 V from PCI Express bus or on-board 4-pin power connector*	Maximal 0.9 A @ 3.3 V from PCI Express bus Maximal 4.8 A @ 12 V from PCI Express bus**
Operating Temperature	0°C ~ 55°C with air flow	
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