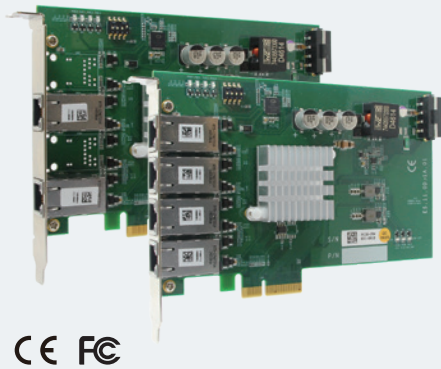# PCIe-PoE354at/PoE352at

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

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
  - 23W each per 3 active ports
  - 18W each per 4 active ports
- Supports 9.5 kB jumbo frame, teaming and IEEE 1588
- Per-port PoE+ power on/ off control

Introduction

PCIe-PoE354at is world's first PoE frame grabber card combining server-grade GigE controller and 802.3at PoE+ capability. Inheriting Neousys' 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 Maximum 5.5A @ 12V from PCI Express bus or on-board 4-pin power connector*	Maximum 0.9A @ 3.3V from PCI Express bus 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