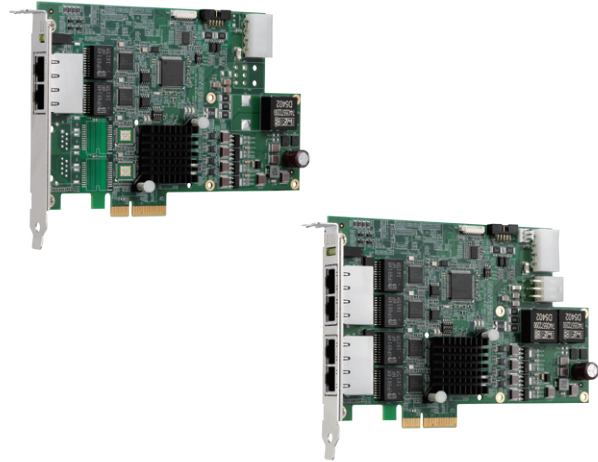


# PCIe-823X-POE Series

## 4-CH PCI Express® GigE Vision PoE+ Frame Grabbers with PoE Power Management

### Features

- PCI Express® x4 compliant
- Support for 2/4 independent Gigabit Ethernet ports
- IEEE 802.3at for PoE+ (Power over Ethernet Plus)
- PoE protection and automated power budget control for enhanced asset protection
- Easy-to-use utility and API provided for PoE power management
- Multiple cards, multiple cameras, in a single system
- Wide operating temperature range from 0°C to +70°C, supporting non-drop frame capture in extreme environments
- Up to 20/60/120W PoE power from PCIe bus/4-pin/6-pin Molex connector
- Powered Device (PD) auto detection and classification
- IEEE 1588 (PTP technology, hardware only)
- Firmware-based Trigger over Ethernet with Action Command (PCIe-8233/38 -POE only)



### Introduction

ADLINK's PCIe-8233/38-POE series PCI Express® PoE+ frame grabber supports 2/4-CH independent Gigabit Ethernet ports for multiple GigE Vision connections transferring up to 1 Gb/s per port. PoE+ provides up to 30W power and automatic detection for stable, reliable connections, reducing costs, simplifying installation, and easing maintenance burdens.

#### **Multi-card Capture Capability**

Any number of PCIe-8233/38-POE series cards can be installed in a single system without occupying any I/O resources, for multicard single-system machine vision grabs. A wide operating temperature range supports integration with fanless computers for Industrial Automation applications in harsh environments.

#### **Comprehensive PoE Protection Secures Assets**

Exclusive comprehensive PoE Protection prevents overcurrent and overvoltage, and automated power budget control adjusts PoE port power supply automatically, avoiding equipment damage.

#### **Smart PoE Management**

Easy-to-use utility and API provide real-time PoE status monitoring and control, lowering maintenance costs and predicting possible failure in advance, while PoE power priority selection and PoE-based power on/off support more demanding applications.

### Software Support

- **OS Information**  
Windows® 7/8.1/10

### Ordering Information

- **PCIe-8233-poe**  
2-ch PCI Express® Power over Ethernet Plus frame grabber
- **PCIe-8238-poe**  
4-ch PCI Express® Power over Ethernet Plus frame grabber

## Specifications

Model Name	PCIe-8238-POE	PCIe-8233-POE
Form Factor	PCI Express® x4	
Ethernet Port	4 fully-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.	2 fully-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
	PoE+ (Power over Ethernet Plus), IEEE 802.3at compliant, supporting 0, 1, 2, 3, and 4, up to 30W	
	9 kB jumbo frame support	
Functions	PoE Power Management	
	Link Aggregation, IEEE 1588 (PTP technology)	
	Multiple cards and multiple cameras	
	PoE Protection	
	PoE Power Management	
Operating Environment	60W PoE: 0°C to +70°C (32°F to 150°F)	
	Humidity: 5% to 90% RHNC	
Power Requirements	+3.3V max @ 3A <sup>(1)(2)(3)</sup>	+3.3V max @ 2.5A <sup>(1)(3)</sup>
Dimensions	167.6 mm x 106.6 mm (6.6" x 4.2") (W x L)	167.6 mm x 106.6 mm (6.6" x 4.2") (W x L)

Note:

- (1) Max 61.6W PoE power w/ ether 4-pin (+12V@6A) or 6-pin (+12V@6A) Molex connector.  
 (2) Max 20W PoE power w/ PCIe slot (+12V@2.1A).