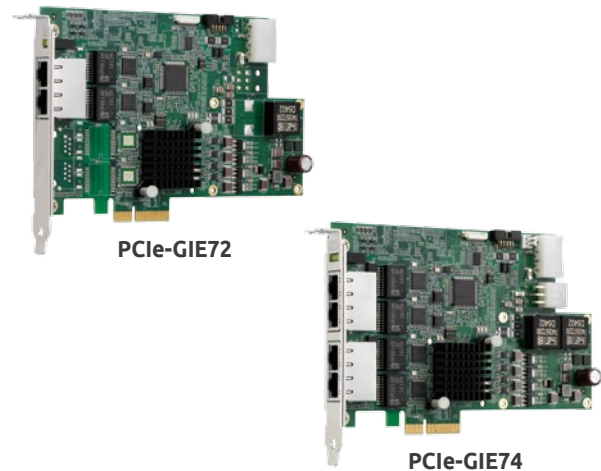# PCIe-GIE72/74

2/4CH PCI Express® GigE Vision PoE+ Frame Grabbers with PoE Power Management and Protection

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)

PCIe-GIE72

PCIe-GIE74

Introduction

ADLINK's PCIe-GIE72/74 is PCI Express® x4 lane, GigE Vision PoE+ (Power Over Ethernet Plus) frame grabber supports 2/4CH independent Gigabit Ethernet ports for multiple GigE Vision device connections with data transfer up to 1 Gb/s per port. PoE+ technology provides up to 30W PoE power and automatic detection for stable and reliable connection between PoE+, PoE or non-PoE cameras and frame grabbers, reducing costs, simplifying installation, and easing maintenance burdens with excellent asset protection.

Machine vision superiority with guaranteed non-drop frame grabs
Any number of PCIe-GIE7x series cards can be installed in a single system without occupying any BIOS I/O resources, enabling multi-card single-system non-drop machine vision frame grabs. range supports integration with fanless computer for IA applications in harsh environments.

Exclusive Comprehensive PoE Protection Secures Assets
Exclusive comprehensive PoE Protection design protects card and camera from overcurrent and overvoltage events. 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
- **Software Compatibility**
  C#/.NET/VC++/VB/C++ Builder/Delphi

Ordering Information

- **PCIe-GIE72**
  2-CH PCI Express® power over Ethernet frame grabber
- **PCIe-GIE74**
  4-CH PCI Express® power over Ethernet frame grabber

Optional Accessories

- **PCIe-GIE72/4 I/O bracket**
  2/4 Trigger In

Specifications

Model Name	PCIe-GIE74	PCIe-GIE72
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, providing up to 30W	
	9 kB jumbo frame support	
Functions	PoE Power Management	
	Link Aggregation, IEEE 1588 (PTP technology)	
	Multiple cards and multiple cameras	
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 [1][2][3]	+3.3V max @ 2.5A [1][3]
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 120W PoE power w/ both 4-pin (+12V@6A) and 6-pin (+12V@6A) Molex connector.
(3) Max 20W PoE power w/ PCIe slot (+12V@2.1A).

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