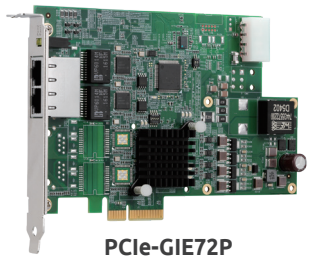
PCIe-GIE7xP Series

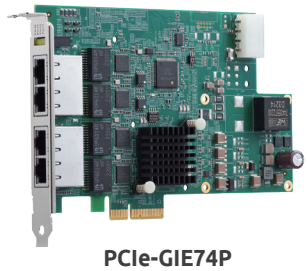
2/4-CH PCI Express® GigE Vision PoE+ Frame Grabbers with PoE Protection, Power Management

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 power from PCIe bus/4-pin Molex connector
- Powered Device (PD) auto detection and classification
- IEEE 1588 (PTP technology, hardware only)



PCIe-GIE72P



PCIe-GIE74P
PCIe-GIE74P-AT
PCIe-GIE74P-AN

Introduction

ADLINK's PCIe-GIE7xP 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-GIE7xP 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® 7/8.1/10/11
  Linux Ubuntu 12.04 LTS (Linux kernel newer than 3.13)
- **Software Compatibility**
  C#/VB.NET/VC++

Ordering Information

- **2-ch PCI Express®**
  - **PCIe-GIE72P (operating temperature: 0-70°C)**
    Power over Ethernet Plus frame grabber with PoE power management
- **4-ch PCI Express®**
  - **PCIe-GIE74P (operating temperature: 0-70°C)**
    Power over Ethernet Plus frame grabber with PoE power management
  - **PCIe-GIE74P-AT (operation temperature: 0-60°C)**
    Power over Ethernet Plus frame grabber with PoE power management
  - **PCIe-GIE74P-AN (operating temperature: 0-60°C)**
    Power over Ethernet Plus frame grabber

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Specifications

Model Name	PCIe-GIE72P	PCIe-GIE74P	PCIe-GIE74P-AT	PCIe-GIE74P-AN
Form Factor	PCI Express® x4			
Ethernet Port	2 fully-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.	4 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 (Overcurrent, Overvoltage, Short Protection)			
	Over Temperature Protection			-
	-		-	
Operating Environment	60W PoE: 0°C to +70°C (32°F to 150°F)		60W PoE: 0°C to +60°C (32°F to 140°F)	
	Humidity: 5% to 90% RHNC			
Power Requirements	+3.3V max @ 2.5A (1)(2)	+3.3V max @ 3A (1)(2)		
Dimensions	167.6 mm x 106.6 mm (6.6” x 4.2”) (W x L)			

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

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