PCIe-GIE64+ / PCIe-GIE62+

4 / 2-CH PCI Express® Power over Ethernet Frame Grabbers



PCIe-GIE64+



PCIe-GIE62+

Grayscale Camera | Color Camera | PCI EXPRESS® | Digital | PnE

Introduction

ADLINK's PCIe-GIE64+/PCIe-GIE62+ are PCI Express® x4 lane, PoE (Power Over Ethernet) frame grabbers supporting 4/2 independent Gigabit Ethernet ports for multiple GigE Vision device connections with data transfer rates up to 1000 Mb/s, as found with most GigE Vision cameras.
In addition, the PCIe-GIE64+ provides smart PoE APIs allowing remote switching of PoE status. With this feature, camera power consumption is easily monitored and controlled, controlling camera temperature and extending lifetime.

PoE Technology

The PoE (Power over Ethernet) technology in the PCIe-GIE64+/PCIe-GIE62+ provides automatic detection for stable and reliable connection between PoE or non-PoE cameras and frame grabbers.

Benefits of PoE

- Simplified installation
- Lowered maintenance
- Reduced total cost of ownership

Features

- **PCI Express® x4 compliant**
- **Support for 4 / 2 independent Gigabit Ethernet ports**
- **Support for smart PoE function, enabling easy power status programming (PCIe-GIE64+ only)**
- **LED indicating connectivity status**
- **Up to 20 W PoE power supply from PCIe bus (PCIe-GIE64+ only)**
- **Support for IEEE 1588, PTP technology (PCIe-GIE64+ only)**
- **Support for IEEE 802.3af for PoE (Power over Ethernet)**
- **Support for link aggregation/jumbo frames (9 KByte)**

Applications

- Machine vision inspection systems
- Scientific research instrumentations
- Medical research instrumentations
- Intelligent transportation systems

Software Support

OS Information

- Windows® 8/7/XP (Windows® 8 support available only on PCIe-GIE64+)

Ordering Information

PCIe-GIE64+
4-CH PCI Express® power over Ethernet frame grabber

PCIe-GIE62+
2-CH PCI Express® power over Ethernet frame grabber with digital I/O and trigger I/O

PCIe-POE
2-CH PCI Express® power over Ethernet frame grabber without digital I/O and trigger I/O

Specifications

Form Factor	PCI Express® x4
Ethernet Port	4/2 fully-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
	Power over Ethernet, IEEE 802.3af compliant, supporting 0, 1, 2, 3, and 4, and providing up to 15.4 watts
	9 kB jumbo frame support
Operating Environment	Temperature: 0°C to +55°C (32°F to 131°F)
	Humidity: 5% to 90% RHNC
Power Requirements	PCIe-GIE64+: +3.3 V max @ 2.5 A(1)
	PCIe-GIE62+: +12 V max @ 0.2 A, +3.3 V max @ 1.5 A(2)
Dimensions	PCIe-GIE64+: 145 mm x 101.26 mm (5.7" x 3.98") (W x L)
	PCIe-GIE62+: 129.5 mm x 101.26 mm (5.05" x 3.98") (W x L)

Note: (1) Additional +12 V max @ 7 A for PoE camera (w/4-pin connetors)
(2) Additional +12 V max @ 3 A for PoE camera

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