

# GIE64+ / GIE62+

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



GIE64+

GIE62+



### Introduction

ADLINK's GIE64+/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 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 GIE64+/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 (GIE64+ only)
- LED indicating connectivity status
- Up to 20 W PoE power supply from PCIe bus (GIE64+ only)
- Support for IEEE 1588, PTP technology (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

### Ordering Information

- **GIE64+**  
4-CH PCI Express® power over Ethernet frame grabber
- **GIE62+**  
2-CH PCI Express® power over Ethernet frame grabber with digital I/O and trigger I/O
- **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.<br>Power over Ethernet, IEEE 802.3af compliant, supporting 0, 1, 2, 3, and 4, and providing up to 15.4 watts<br>9 kB jumbo frame support |
| ■ Operating Environment       | Temperature: 0°C to +55°C (32°F to 131°F)<br>Humidity: 5% to 90% RHNC                                                                                                                                                                     |
| ■ Power Requirements          | GIE64+: +3.3 V max @ 2.5 A <sup>(1)</sup><br>GIE62+: +12 V max @ 0.2 A, +3.3 V max @ 1.5 A <sup>(2)</sup>                                                                                                                                 |
| ■ Isolated Voltage (optional) | 2250 V <sub>DC</sub>                                                                                                                                                                                                                      |
| ■ Dimensions                  | GIE64+: 168 mm x 111.15 mm (6.55" x 4.33") (W x L)<br>GIE62+: 129.5 mm x 111.15 mm (5.05" x 4.33") (W x L)                                                                                                                                |

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

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