

PCIe-GIE62

2-CH Gigabit Ethernet Vision interface card with Trigger, and I/O



Features

- Supports two independent GbE ports
- Supports jumbo frames (9 KByte)
- PCI Express x4 compliant
- Provides Industrial screw lock connector
- 2 isolation digital inputs/outputs
- 2 isolation TTL level programmable trigger output pulses
- Supports windows XP/XP embedded/Vista

Introduction

ADLINK PCIe-GIE62 is a PCI Express x4 lane, Gigabit Ethernet (GbE) network interface card (NIC), which supports 2 independent Gigabit Ethernet ports for multiple Gigabit Ethernet Vision device connections with data transfer rates up to 1000 Mb/s, like most of the Gigabit Ethernet Vision cameras. The PCIe-GIE62 provides two isolated digital inputs and outputs for connecting to external devices such position sensors. The PCIe-GIE62 also includes two isolated programmable Trigger output pulses to manage trigger events such as activating a strobe lighting.

Specifications

Ethernet Port

Two full-integrated Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.

Gigabit Ethernet Controller provides a standard IEEE 802.3 Ethernet interface for 1000BASE-T, 100BASE-TX, and 10BASE-T applications (802.3, 802.3u, and 802.3ab). 9 kB jumbo frame support.

I/O trigger Function

2 Isolated Digital Input
2 Isolated Digital Output
2 Isolated trigger Input
2 Isolated trigger Output

Isolated Voltage

Rated Isolation Voltage 1000V @ 60 seconds

Form Factor

X4 PCI-express interface

Dimensions

W x L: 129.5 x 111.15 mm

Operating Environment

Temperature: 0 to 55°C
Humidity: 5 to 90% RHNC

Power Requirements

PCIe-GIE62: +12 V max @ 0.2 A, +3.3 V max @ 1.5 A

Ordering Information

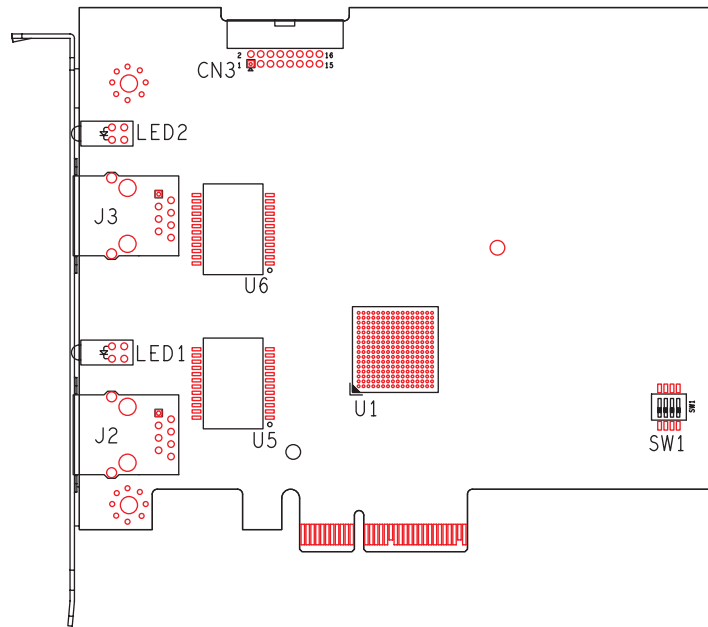
PCIe-GIE62	2-CH Gigabit Ethernet Vision Frame Grabber
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Accessory

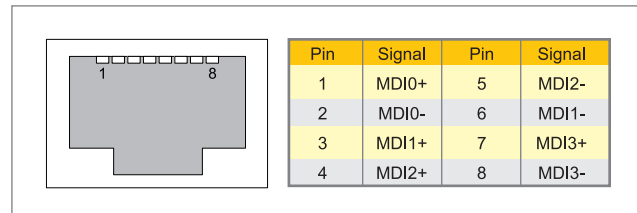
Camera-CSGV90BC3	TELI GiantDragon B/W Series Maximum resolution:640x480 Maximum frame rate:170fps
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Camera-CSGV90BC3 : is only for TW · Singapore · China · Korea

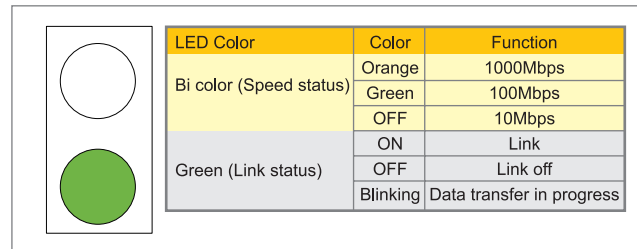
PCle-GIE62 Connectors & Pin Definitions



J2, J3: LAN port1, and 2



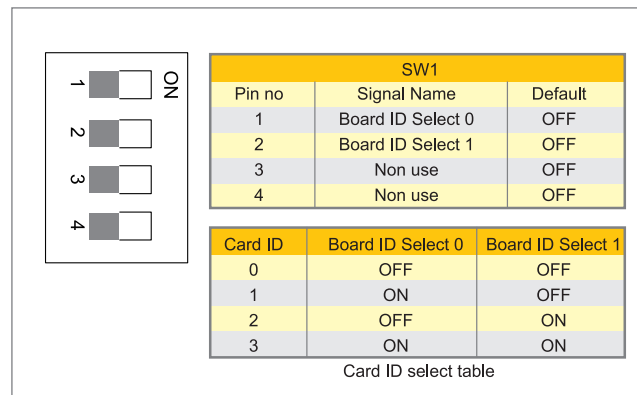
LED1, LED2 : LAN 1, and 2 status LED



I/O Specification

Function	Electronic specification
Isolated Digital Input	Photo Coupled Input x 2 ch
Input voltage range	0 to 25V
Low level	0 to 0.5V
High Level	2 to 25V
Isolated Digital Output	Photo Coupled Output x 2 ch
Load voltage range	3 to 24V
Output sink current	80mA (Max)
Output voltage drop	1.0V (Max)
Leak current	0.1mA (Max)
Reverse voltage	-6V
Isolated Trigger Input	Photo Coupled Trigger input x 2 ch
Input voltage range	0 to 25V
Low level	0 to 0.5V
High level	2.7 to 25V
Polarity	Positive / Negative Selectable
Minimum pulse width	0.1msec
Isolated Trigger out	Photo Coupled Trigger output x 2 ch
Load voltage range	0 to 5V
Output sink current	40mA (Max)
Output voltage drop	0.4V Max(@16mA)
Trigger Out Control	
Trigger delay	0msec to 1000msec selectable (1msec step.)
Trigger out pulse width	0.1msec to 50msec selectable (0.1msec step)
Polarity	Positive / Negative Selectable
Enable Control	Enable/Disable

SW1 : Card ID Select (support up to 4 cards)



CN3 : GPIO & Trigger

