GIE64+

4-CH PCI Express® Power over Ethernet Frame Grabber

NEW

Grayscale Camera · Color Camera · PCI EXPRESS® · Digital · PnP · IEEE 1588

Introduction

ADLINK's GIE64+ is a PCI Express® x4 lane, PoE (Power Over Ethernet) frame grabber which supports four 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.

The GIE64+ features not only PoE (power over Ethernet), combining power and signal supply into a single cable, but also IEEE 1588 (precise time protocol), enabling synchronization with multicamera acquisition. Applications will greatly benefit through reduce cost, simpler installation and lower maintenance.

PoE Technology

The PoE (Power over Ethernet) technology in the GIE64+ 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 four independent Gigabit Ethernet ports**
■ **Support for IEEE 1588, PTP technology**
■ **Support for IEEE 802.3af for PoE (Power over Ethernet)**
■ **Support for jumbo frames (9 KByte)**
■ **Support for link aggregation**
■ **Powered Device (PD) auto detection and classification**

Applications

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

Software Support

■ Windows® Platform
   • Available for Windows® XP/7

Ordering Information

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

Specifications

■ Form Factor	PCI Express® x4	
■ Ethernet Port	Four 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	
	Humidity: 5% to 90% RHNC	
■ Power Requirements *	+3.3 V max @ 1.5 A	
■ Isolated Voltage (optional)	2250 V$_{DC}$	
■ Dimensions	168 mm x 111.15 mm (W x L)	

* Additional +12 V max @ 6 A for PoE camera