PCIe-10GPoE

2-CH PCI Express® 10 GigE Vision PoE+ Grabber

Features

- PCI Express® x4 Gen 3 Compliant
- Intel® server-grade X550-AT2 10GbE MAC+PHY Ethernet Controller
- 2-port independent 10 Gigabit LAN, up to 10Gbps data rate per port
- Supports NBASE-T technology (2.5 and 5.0 Gbps)
- IEEE 802.3at for PoE+ (Power over Ethernet Plus)
- Compatible with PoE, PoE+ and Non-PoE cameras
- Powered Device (PD) auto detection and classification
- Up to 20W/60W PoE power from PCIe bus/4-pin Molex connector
- PoE protection for enhanced asset protection
- PoE Power Management and PoE Hardware switch
- Dual screw cable locking solution
- Multiple cards, multiple cameras, in a single system
- Wide operating temperature range from 0°C to +60°C
- CE/FCC, ICES-003, EN 55032, EN 61000-6-2, RoHS Certifications



Introduction

ADLINK's PCIe-10GPoE PCI Express® PoE+ frame grabber supports 2-ch independent Gigabit Ethernet ports for multiple GigE Vision connections transferring up to 10Gb/s per port.

PoE+ provides up to 30W power and automatic detection for stable, reliable connections, reducing costs, simplifying installation, and easing maintenance burdens.

Exclusive comprehensive PoE Protection secures assets, prevents overcurrent and overvoltage 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.

Software Support

- **OS Information**
  Windows® 7/10 64bit
  Linux Ubuntu 12.04 64 bit
- **Software Compatibility**
  C#/VB.NET/VC++

Recommended Configuration

- **Memory**
  Dual-channel DDR4 RAM 8Gx2
- **Processor**
  1-ch image capture: 7th Generation Intel® Core™ i7 Processors and above
  2-ch image capture: 9th Generation Intel® Core™ i9 Processors and above
- **Standard Cable**
  CAT6 or CAT6a

Ordering Information

- **PCIe-10GPoE**
  2-ch PCI Express® 10 GigE Vision PoE+ Grabber

Specifications

Model Name	PCIe-10GPoE
PCI Express Specification	PCI Express x4 Gen 3, 1 slot
Ethernet Port	
LAN Controller	Intel Server Grade X550-AT2 10GbE Ethernet Controller
Connector	8-pin RJ45 Copper with Dual Screw Cable Lock
Speed	10G, 5/2.5 BASE-T, 1G, 100M (10M not supported)
PoE	
PoE Function	PoE+ Compliant
	PoE Auto Detection and Classification
	Compatible with PoE, PoE+ and Non PoE cameras
PoE Protection	Overcurrent and Overvoltage
PoE Power Management	API for Programmable PoE power on/off and PoE Status Mornitoring
	PoE Hardware on/off and Initial Status Setting
Advanced Function	
Other	Jumbo frame, Link Aggregation, IEEE 1588 (PTP technology, Hardware)
Software	
OS	Windows® 7/10 64bit, Linux Ubuntu 12.04 64 bit
Programming Languages	C++, C#, VB.NET
SDK/Utility	Compatible with ADLINK Vision Software (AVS)
Physical	
Operating Environment	0°C to 60°C (32° to 140°F), 5% to 90% RHNC
Dimensions	167.65 mm x 111.15 mm (6.59" x 4.37") (W x L)
Power Requirements	+3.3V 2A, +12V@2.1A Max. 20W PoE Power (12 VDC direct from PCIe slot, w/o 4-pin MolexConnector)
	+3.3V 2A, +12V@max 6A, Max. 60W PoE power (12 VDC from both PCIe slot and 4-pin MolexConnector)
Certifications	• CE/FCC Part 15, Class A • ICES-003 (Canada) • EN 55032 • EN 61000-6-2 • RoHS

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