LRES2001PT-POE

—PCIe x1 Single-port 802.3at PoE+ Gigabit Vision Frame Grabber Card (Intel I210 Based)

Overview

LRES2001PT-POE is a PCIe x1 PoE+ gigabit single-port copper industrial ethernet network adapter based on the Intel chipset be developed independently by Shenzhen Lianrui Electronics Co., Ltd and is compatible with x4, x8, x16. The adapter is designed mainly used on industrial field vision inspection server and equipment, vision field client, fast moving ethernet data transmission equipment etc. It's also suitable for ordinary servers.

The adapter controller has integrated hardware acceleration capability to perform TCP/UDP/IP checksum and load sharing and TCP segmentation task. Host processing technology can be divided into accelerators and release CPU resources to handle with other applications. The adapter is based on Intel I210 gigabit ethernet MAC+PHY controller.

Key Features

1. PoE output power up to 30W.
2. Adaptive power consumption output for external devices: Class 0, Class 1, Class 2, Class 3;
3. The adapter card adopts a wider RJ45 pitch design;
4. The interface specially designed for industrial cable access, with LR-LINK customized industrial network cable, can lock the cable and network port more firmly, effectively solve the problem of unstable connection between network port and cable in industrial places. Compatible with common cable access at the same time;
5. The larger heat sink can effectively solve the heat dissipation problem of the adapter in the case of poor heat dissipation environment, and effectively ensure the stable operation of the adapter card for a long time;
6. Be carefully selected thickened gold RJ5 connector to ensure a more secure and reliable connectivity;

Specifications

Controller	Intel I210
Cable medium	Copper
Cable Type	Cat 5E and Cat6：1000Base-T up to 100m (POE power supply requirements Cat5)
	Cat 5E and Cat6：100Base-T up to 100m (POE power supply requirements Cat5)
Baffle Configuration	Full height & half height
Power Consumption	1.0W
System Support	Windows 7/8/8.1/10/11
	Windows Server 2008 R2/ 2012 R2/ 2016 R2/2019 R2/2022 R2
	Linux Stable Kernel version 2.6.x/3.x/4.x or later;
	Linux CentOS/RHEL 6.5 / 7.x or later
	Ubuntu 14.x/15.x/16.x or later
	FreeBSD 9 / 10 / 11 or later
	VMware ESX/ESXi 2.6.x/3.x/4.x/5.x or later
Bus Type	PCIe v2.1 x1 , compatible with x4 ,,x8 , x16
Data Rate	10/100/1000Mbps
Connector	1*1G RJ45

Technical Features

Standards Compliant	IEEE802.3af -2003 PoE standard
	IEEE802.3at -2009 PoE standard
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3z
	IEEE 802.1Q VLANs
	IEEE 802.3x
	IEEE 1588
	IEEE 802.3az - Energy Efficient Ethernet (EEE)
PXE	Yes
FCoE	No
DPDK	Yes
WoL	No
Jumbo frame	Yes
PCI-SIG* SR-IOV	Yes
VMDq	Yes

Environment Features

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to 131 ℉)
Storage Temperature	-40 ℃ to 85 ℃ (-40 ℉ to 185 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃

Physical Features

PCB Size(mm)	137**1.6
Weight(g)	*

LED Indicators

Status indication	POE, Green bright
	1000Mbps, Orange bright + Green flashing
	100/1000Mbps, Green flashing

Order Information

P/N	Description
LRES2001PT-POE	PCIe x1 Single-port 802.3at PoE+ Gigabit Vision Frame Grabber Card

PS: Above details are only for reference, if there is any change,no prior notice.

Product Structure
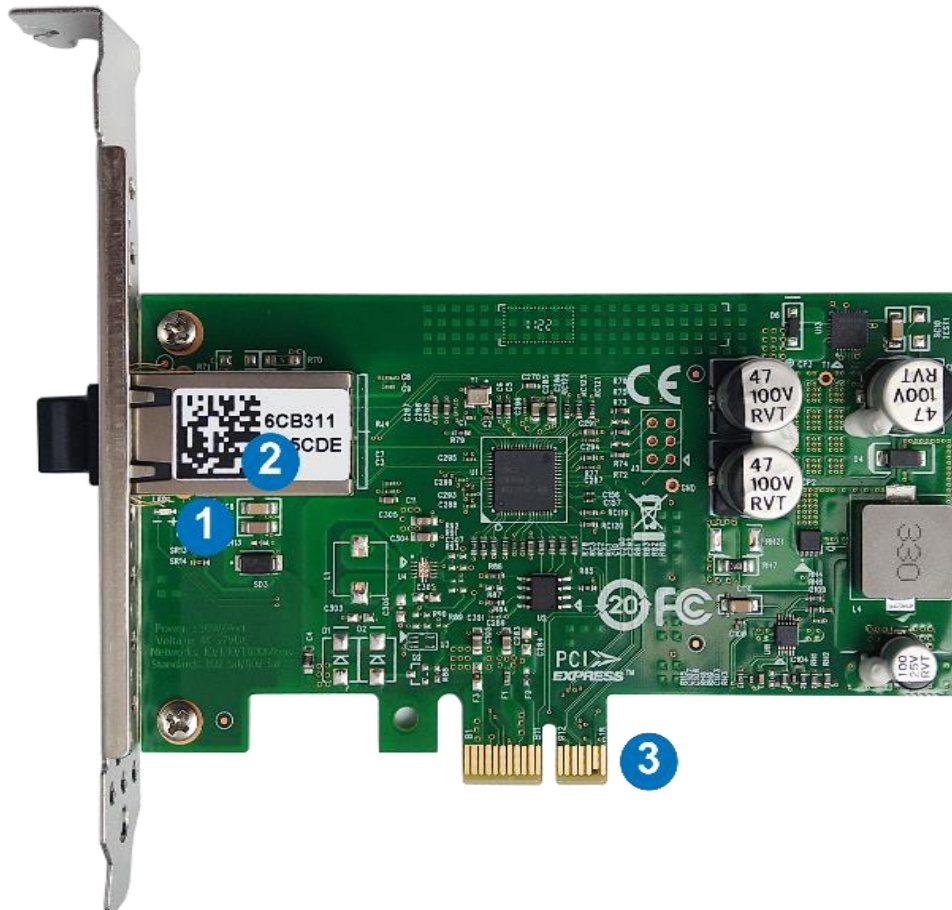
1. POE indication
2. 1*1G RJ45 Connector
3. PCIe x1 Bus

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Companion Products

Fiber NIC

§ LR-LINK PCI 100FX Desktop Adapter
§ LR-LINK PCIe 100FX Desktop Adapter
§ LR-LINK PCI 1000BASE-SX/LX Desktop Adapter
§ LR-LINK PCIe 1000BASE-SX/LX Desktop Adapter
§ LR-LINK PCIe 1000BASE-SX/LX Server Adapter
§ LR-LINK PCIe 10GBASE-SX/LX Server Adapter
§ LR-LINK PCIe 25GBASE-SX/LX Server Adapter
§ LR-LINK PCIe 40GBASE-SX/LX Server Adapter
§ LR-LINK PCIe 100GBASE-SX/LX Server Adapter

Copper NIC

§ LR-LINK PCI 10/100Mbps Desktop Adapter
§ LR-LINK PCIe 10/100Mbps Desktop Adapter
§ LR-LINK PCI 10/100/1000Mbps Desktop Adapter
§ LR-LINK PCIe 10/100/1000Mbps Desktop Adapter
§ LR-LINK PCIe 10/100/1000Mbps Server Adapter
§ LR-LINK PCIe 100/1G/10Gbps Server Adapter
§ LR-LINK PCIe 1G/2.5G/5G/10Gbps Server Adapter

Download Drivers

To get the drivers, please visit us at http://www.lr-link.com/support/driver.html.

Product Quick Guide

To know the network card basic knowledge to choose the suitable NIC you need, please visit us at: http://www.lr-link.com/productchoose.html.

Customer Support

LR-LINK customer Support Services offers a broad selection of programs including phone support and warranty service. For more information, contact us at Service and availability. http://www.lr-link.com/contactus.html

Shenzhen Lianrui Electronic Co,.LTD.

Shenzhen Lianrui Electronics Co.,Ltd is an efficient Ethernet adapter design company with independent research and development,using Intel,Net-swift,Tehuite,Broadcom,Realtek and other manufacturers Ethernet controller, developed by our company's independent R & D design team,manufacturedby our company workshop, and then sell.

Declaration

Our products specifications come from modifying the chip manufacturer's specifications released. Product features, technical parameters, technology right, intellectualproperty rights and brand names etc.mentioned in specifications are just referenced only.There is no infringement meaning.If there is any important andsensitive content related, please contact our Lianrui company, we'll delete them, Thank you.

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