

LRES2004PT-POE

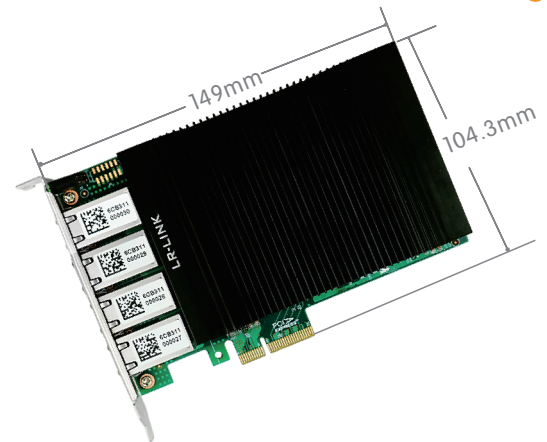
—PCI Express x4 Quad Port 802.3at PoE+ Gigabit Vision Frame Grabber Card

Description

LRES2004PT-PoE is a PCI Express x4 quad port copper gigabit Ethernet PoE industrial Ethernet network card based on Intel I350AM4 chipset, be developed independently by Shenzhen Lianrui Electronics Co., Ltd. It can compatible with x8,x16 slot. The PoE network card be made is mainly applied to the industrial site visual inspection server and other devices, visual field client, fast moving Ethernet data transmission equipment, etc., it also applies to common server.

The PoE Network Card has integrated hardware acceleration capability to perform TCP / UDP / IP checksum offload and TCP segmentation tasks. Host processing technology can be divided into the accelerator, the host processing technology can be divided into the accelerator, release CPU resources occupied to free up more CPU resources to handle with other applications. The PoE network card is an ideal solution for deploying multiple networks and deploying critical network applications and environments on high-performance servers.

LRES2004PT is developed on the basis of Intel I350Quad-Port Ethernet MAC+PHY controller, which can allow four ports to work in full-duplex work mode to adapt high-performance network communication in Gigabit Ethernet connection. It can also save PCI Express channel resources as well as not occupy bus bandwidth by link aggregation and bandwidth expansion. The LRES2004PT-PoE also support PCISIG Single -Root I /O virtualization and sharing specification (SR-IOV),(single I/O virtual and Shared specification).



LR-LINK makes a unique design for this PoE network card:

1. The single-port PoE output power consumption is up to 30W, providing a power supply interface for the external large 4Pin power.
2. The power output of adaptive to external equipment: Class 0, Class 1, Class 2, Class 3;
3. The PoE adapter card is designed with wider RJ45 spacing.
- 4, specially designed for industrial cable access interface, the collocation of LR-LINK customized industrial Ethernet cable, can a more stable locking copper cable and RJ45, effectively solve the problem of industrial sites RJ45 connection copper cable is not stable, also compatible with standard cable access;
5. The larger heat sink can effectively solve the problem of heat dissipation of the PoE card in the case of poor heat dissipation environment, and effectively ensure the stable operation of the PoE adapter card for a long time;
6. Carefully selected the RJ45 connector with thick and heavy gold to ensure more solid and reliable connectivity;
7. The design of 4 RJ45 can better save the valuable PCIe slot resources of the main board;

Features

Controller	Intel (R)I350
Cable medium	Copper cable
Cable Types	Cat 5E and Cat6 1000Base-T up to 100m (POE power supply min requirement Cat5)
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Bracket	Full-height Bracket
Thermal design power consumption (max)	5W
Single-port PoE output power consumption(max)	30W
Connector	4 * 8-Pin RJ45
PCIe Bus Type	PCI Express v2.1 (5.0GT/s) x4; compatible with x8,x16
Rate	100Mbps/1000Mbps
Power Supply	PCIe power supply +12V±8% +3.3V±9%
Operating System Support	Windows XP, 7, 8/8.1, 10, Vista Windows Server 2003 /R2, 2008 /R2, 2012 /R2, 2016 /R2 Linux Stable Kernel version 2.4.x / 2.6.x / 3.x / 4.x or later Red Hat Enterprise Linux 5 / 6 / 7 or later SUSE Linux Enterprise Server 10 / 11 or later VMware ESX/ESXi 4.x / 5.x / 6.x or later FreeBSD 9 / 10 or later

Technical Features

Ethernet Power Management	Yes
IEEE* 802.3 Automatic negotiation	Yes
Support Speed	10BASE-T, 100BASE-TX, 1000BASE-T
IEEE Standard	IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.1Q VLAN IEEE 802.3 IEEE802.3x, IEEE802.3af IEEE802.3at
PCI-SIG* SR-IOV	Yes
Jumbo frame packet	Yes
VMDq	Yes
WOL	Yes
PXE	Yes
DPDK	Yes
iSCSI	No
FCoE	No

Environment Features

Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Humidity	90% non condensing under 35°C
Certificate	FCC B, UL, CE, VCCI, BSMI, CTICK, KCC

LED Indicators

LED	1000Mbps: Link: yellow , ACT: green
	100Mbps/10Mbps: ACT: green

Testing Application Platform

Server	DELL R710 / DELL R720 / DELL R730
	Lenovo 8871
	HUAWEI H22M-03
	HP DL360P Gen8
Motherboard	Giada N50M-VU
	MSI B350M MORTAR
	Supermicro XIOSRL-F
	Intel S1200SPS
	Intel S1200BTL
	Intel S1400PF
	Intel S2600IP
	ASUS X79Z
	ASRock B250M-HDV
	GIGABYTE B75-D3V
ASUS P8H77-V LE	

Physical Features

PCB Size (mm)	149*104.3*1.6
weight (g)	251

Order Information

M/N	Description
LRES2004PT-PoE	PCI-Express x4 Quad Port 802.3at PoE+ Gigabit Vision Frame Grabber Card Intel I350 Based (4*RJ45)
HFC5-1L Cable-3M/5M	Highly Flexible Cat.5e LAN cable, Single screw lock-type, 3M, 5M

PS: The above details is just for reference,if there is any change,no inform will have.

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-SR/LR Server Adapter
- LR-LINK PCIe 25GBASE-SR/LR Server Adapter
- LR-LINK PCIe 40GBASE-SR/LR Server Adapter
- LR-LINK PCIe 100GBASE-SR/LR 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 100/10Gbps/10Gbps Server Adapter

Download Drivers

To get the drivers, please visit us at <http://www.lr-link.com/support.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/product.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/service.shtml>

Lianrui Electronic Co.LTD

A professional supplier of high-quality NIC:PCI,PCI-X,PCI-Express;SC,ST,LC,SFP,SFP+,QSFP+;100M,1G,10G,25G,40G,100G;single,dual,quad ports. all series fiber and copper NIC with nearly 150 specifications which can meet demands of various applications, continuously creates value for customers and partners as well as OEM/ODM services provided.

Declaration

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

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 and sensitive content related, please contact our Lianrui company, we'll delete them, thank you.

SHENZHEN LIANRUI ELECTRONICS CO.,LTD

ADD:C4 Bldg., Xintang Industry Zone, Baishixia Fuyong Town, Bao'an District Shenzhen China 518103
Tel:86-755-33671531 Fax: 86-755-29082065
Product sales:lrlink@lr-link.com
Technical Support: support@lr-link.com
OEM & ODM service: info@lr-link.com
WEB: www.lr-link.com

