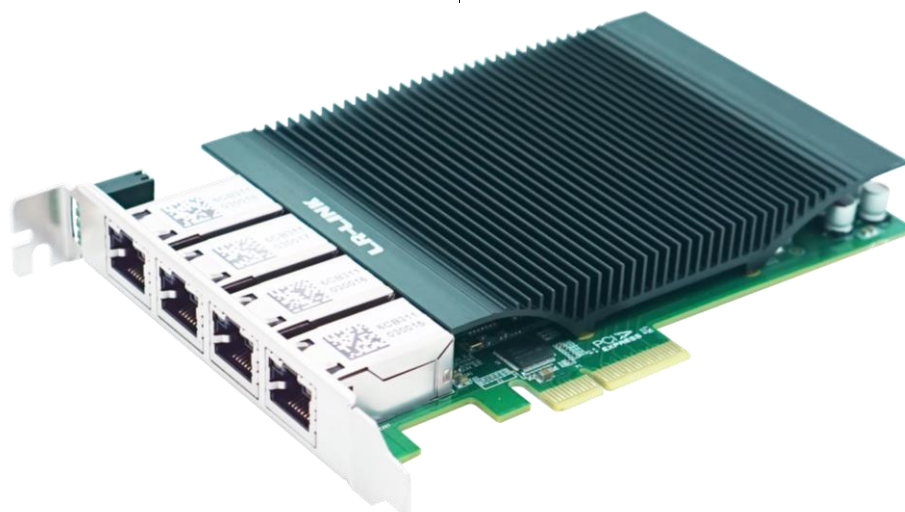


LRES2039PT-POE

—PCIe x4 Quad-port PoE+ Gigabit Vision Frame Grabber Card (Intel Chip Based)

Overview



LRES LRES2039PT-POE is a four-port copper gigabit ethernet PCIe x4 PoE+ ethernet image acquisition adapter, compatible with PCIe x8 and x16 channels, independently developed by Shenzhen Lianrui Electronics Co., LTD based on Intel chip. The adapter card design is mainly designed to be used in industrial scene visual detection server and equipment, visual scene client, fast mobile ethernet data transmission equipment, etc., but also suitable for ordinary servers. The adapter has integrated hardware acceleration function and can perform TCP/UDP/IP checksum load and TCP segmentation tasks. Host processing technology can load accelerators to free up CPU resources for processing other applications.

LR-LINK has a unique design for this adapter:

1. The maximum power consumption of single-port PoE+ output is 30W, providing an external large 4-PIN power supply interface.
2. Adaptive to the power output required by the external device: Class 0, Class 1, Class 2, Class 3, Class 4;
3. The adapter card adopts more open RJ45 spacing design;
4. Specially designed for industrial cable access interface, effectively solve the problem of compact network port in industrial sites, while compatible with common cable access;
5. 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. Carefully selected thickened gold RJ5 connector to ensure more solid and reliable connection;
7. 4*8-pin RJ45 design can better save motherboard precious PCIe slot resources.

Key Features

1. It is based on Intel master chip scheme;
2. A four-port copper cable Gigabit Ethernet PCIe X4 PoE+ Ethernet image acquisition card;
3. It mainly designed for industrial scene visual detection servers and equipment, visual scene client, fast mobile Ethernet data transmission equipment, etc.
4. adaptive to power output required by external equipment;
5. Larger heat sink can effectively solve the problem of heat dissipation 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.

Specifications

Controller	Intel Chip
Baffle Height	Full height
Power Consumption	*
PoE power/port	30W(max)
System Support	Windows 7/8/8.1/10
	Windows Server 2008 R2/2012 R2/2016 R2/2019 R2;
	Linux Stable Kernel version 3.x/4.x or later;
	Linux CentOS/RHEL 6.x / 7.x or later;
	Ubuntu 14.x/15.x/16.x or later;
	VMware ESX/ESXi 4.x/5.x/6.x or later
Bus Type	PCIe v3.0(8.0GT/s) x4, compatible with x8、x16
Data rate	10/100/1000MbE
Connector	4*8-Pin RJ45

Technical Features

Protocol Support	IEEE802.3at -2009 PoE standard IEEE802.3af -2003 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)
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iSCSI	No
WoL	No
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes
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	Maximum: 90% non-condensing relative humidity at 35°C

Physical Features

Size(mm)	159*120*21
Weight(g)	*

LED Indicators

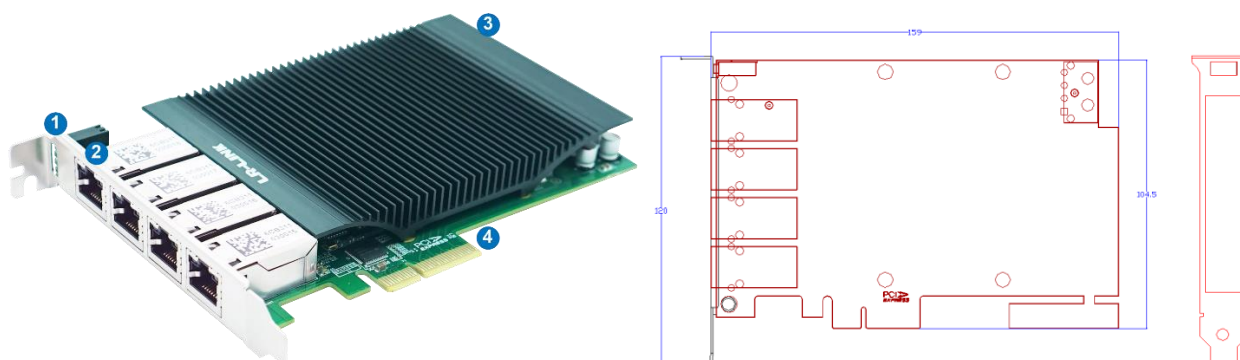
LED Indicators	POE: Green
	1000Mbps: Green Link + Green Blink
	100Mbps: Yellow Link + Green Blink
	10Mbps: Green Blink

Order Information

P/N	Description
LRES2039PT-POE	PCIe x4 Quad-port PoE+ Gigabit Vision Frame Grabber Card (Intel Chip Based)

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

Product Structure



1. POE indicator
2. 4*1G RJ45 interface
3. ATX 4-Pin connector
4. PCIe x4 Bus

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

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 Electronics 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, manufactured by 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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