

LRES2011PT-POE

— PCIe x4 Quad-port with surge protection Gigabit Ethernet frame grabber (Intel I350 based)

Overview



LRES2011PT-POE is a four-port copper cable Gigabit Ethernet PCI Express x4 Ethernet frame grabber card independently developed by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel I350 chip solution. It is also compatible with PCIe x8, X16 channels. This server adapter card design is mainly designed for industrial field vision inspection servers and equipment, vision field clients, fast-moving Ethernet data transmission equipment, etc., and also suitable for ordinary servers.

This adapter card has integrated hardware acceleration capabilities and can perform TCP / UDP / IP checksum offload and TCP segmentation tasks. The host processing technology can offload the accelerator, and the host processing technology can offload the accelerator, freeing up CPU resources to free up more CPU resources to process other applications. This adapter card is the ideal solution for deploying multiple networks and deploying critical network applications and environments on high-performance servers.

LRES2011PT-POE was developed on an Intel I350-based integrated four-port Ethernet MAC + PHY (Media Access Controller and Physical Interface Transceiver) controller, which allows up to four simultaneous gigabit Ethernet connections. The port works in full-duplex mode to adapt to high-performance network communications. It can expand bandwidth through link aggregation and save PCI Express channel resources without occupying bus bandwidth.

Key Features

1. Provides an external 4-Pin power supply supply interface.
2. Meet the IEEE 803.2af POE output standard; have automatic detection output: Class0, Class1, Class2, Class3.
3. The adapter card adopts compact RJ45 pitch design, which is more suitable for tight industrial equipment;
4. With protection up to $\pm 2kV$ common mode, $\pm 1KV$ differential mode protection;
5. The RJ5 connector with thick and thick gold is carefully selected to ensure more robust and reliable connectivity;
6. The design of four 8-Pin RJ45 heads can better save the precious PCIe slot resources of the motherboard.

Specifications

Controller	Intel I350
Baffle Height	Half & Full height
Power Consumption	5.0W
PoE power/port	15.4W
Total output power	<75W
System Support	Windows XP/Vista7/8/8.1/10
	Windows Server 2003 R2/2008 R2/2012 R2/2016 R2/2019 R2;
	Linux Stable Kernel version 2.6.32.x/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 v2.1 x4, compatible with x8、x16
Data rate supported per port	10/100/1000MbE
Connector	4*8-Pin RJ45
Surge protection (common mode)	+6kV、 $\pm 2kV$
Surge protection (differential mode)	$\pm 1KV$

Technical Features

Protocol Support	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)
iSCSI	No
WoL	No
Jumbo Frames	YES
DPDK	Yes
PXE	Yes
FCoE	No

Environment Features

Operating Temperature	0 °C to +55 °C (-40 °F to +131 °F)
Storage Temperature	-55 °C to +105 °C (-67 °F to +221 °F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C

Physical Features

Size(mm)	163.6*120*21
Weight(g)	*

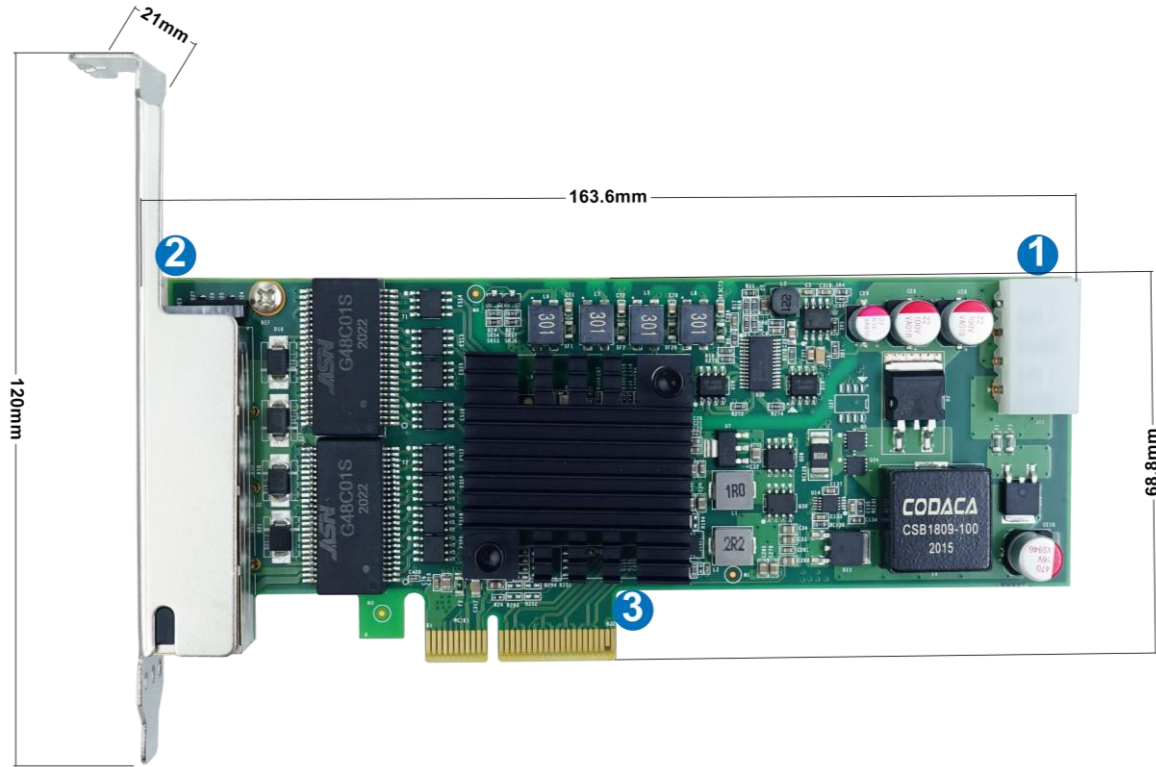
LED Indicators

LED Indicators	POE: Green
	1000Mbps:Yellow Link + Green Blink
	100Mbps: Green Blink 10Mbps, No

Order Information

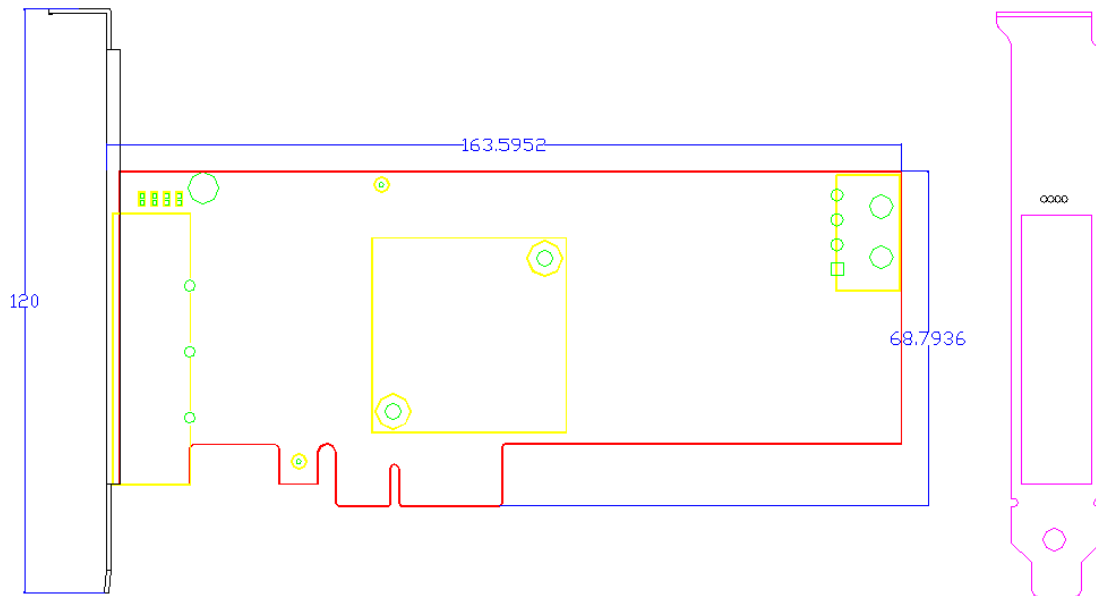
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PS: Above details are only for reference, if there is any change, no prior notice.



1. 4-Pin ATX Connector
2. 4*8-Pin 1G RJ45 Connector
3. PCIe x4 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 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,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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