LRES4013MT-POE

—PCIe x4 Dual-port 10G PoE+ M12 Gigabit Vision Frame Grabber Card (Intel X550)

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Overview

LRES4013M-POE is a PCIe3.0 x4 dual-port M12 interface 10G ethernet image acquisition card independently developed by Shenzhen Lianrui Electronics Co., Ltd. (abbreviation: LR-LINK) based on the Intel X550 main control solution.. Image acquisition card, cit is compatible with PCIe x8, x16. The network card is mainly designed for industrial field visual inspection equipment, visual field client, fast mobile Ethernet data transmission equipment, field monitoring, industrial monitoring, etc.

LRES4013MT-POE adopts a unique industrial-grade protective M12 interface, making this product very suitable for harsh environments such as vibration, humidity, and dust, such as field monitoring, monitoring along railway lines, and industrial production.

LRES4013MT-POE has the following unique functional design:

Key Features

1. The adapter adopts wider M12 spacing design
2. The more efficient heat sink effectively solves the heat dissipation problem of the dapter in the case of poor heat dissipation environment, and effectively guarantees the stable operation of the adapter for a long time
3. Carefully select IP67 industrial-grade protective M12 connectors to effectively solve problems such as poor port connections
4. Excellent ESD protection ability and lightning surge protection ability

Specifications

Controller	Intel X550
Cable medium	Copper
Fiber Type	10GBase-TX、10GBase-T
Bracket Height	Full Height
Power (min)	6.588W
Power (max)	11.232 W
System Support	Windows 7 /8 /8.1 /10 /11
	Windows Server 2008
	Windows Server 2012
	Windows Server 2016
	Windows Server 2019
	Windows Server 2022
	Deepin 15.11 /20 /20.6
	VMware ESXi 6.5 /6.7 /7.0
	Galaxy Unicorn v10 SP1
	NeoKylin 7.6
	RHEL/CentOS 7.3 /7.6 /8.2 /8.3
	Ubuntu 16.04.3 /18.04.5 /20.04.1
	SUSE 12.5
	FreeBSD 12.2
	ZTE New Fulcrum 5.0.5 /3.2.2
	Tongxin UOS 20
	Asianux Server v7.0
	Zhongke Fangde desktop operating system 4.0

	Zhongke Fangde server operating system
	Emind OS
	Mikrotik
	iKuai router
Bus Type	PCIe v3.0 (8.0GT/s) x4; Compatible x8 x16
Data rate per port	100M\1G\2.5G\5G\10G
Connector	4*10G M12 X-code
Power Supply	PCIe

Technical Features

Protocol Support	IEEE 802.3ae 10 Gigabit Ethernet over fiber IEEE 802.3z Gigabit Ethernet IEEE 802.3x Full Duplex and flow control IEEE 802.1AS / IEEE 802.1Q VLAN IEEE 802.3AD / IEEE 802.3ad IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 802.1P / IEEE 802.3ac
PXE	Yes
DPDK	Yes
RDMA	No
WoL	No
iSCSI	No
Jumbo Frames	Yes
FCoE	Yes
VMDq、SR-IOV	Yes
UEFI	Yes
Jumbo Data Frame Max	9.5KB
ESD_Contact discharge	±6KV (Class C)
ESD_Air discharge	±8KV (Class C)

ESD test classification

Class A: Normal performance within the limits specified by the manufacturer, commissioner, or purchaser.

Class B: Temporary loss or reduction of function or performance, but can be recovered by itself after the disturbance stops, without operator intervention;

Class C: Temporary loss or degradation of function or performance that requires operator intervention to restore;

Class D: irrecoverable loss of function or performance degradation due to damage to device hardware or software, or loss of data.

Environment Features

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to131 ℉)
Storage Temperature	-40 ℃ to 85 ℃ (-40 ℉ to 185 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical Features

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PCB Size(mm)	167.7*111.15*1.6
Package Size(mm)	250*170*32
Weight(g)	*

LED Indicators

100M\1G\2.5G\5G	Connection Status	(Up)Orange light Link+(Down)Green light Link
	Transfer status	(Up)Orange light Blink+(Down)Green light Blink
10G	Connection Status	(Up)Green light Link+(Down)Green light Link
	Transfer status	(Up)Green light Link +(Down)Green light Blink

Order Information

P/N	Description
LRES4013MT-POE	PCIe x4 Dual-port 10G PoE+ M12 Gigabit Vision Frame Grabber Card(Intel X550)

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

Product Structure
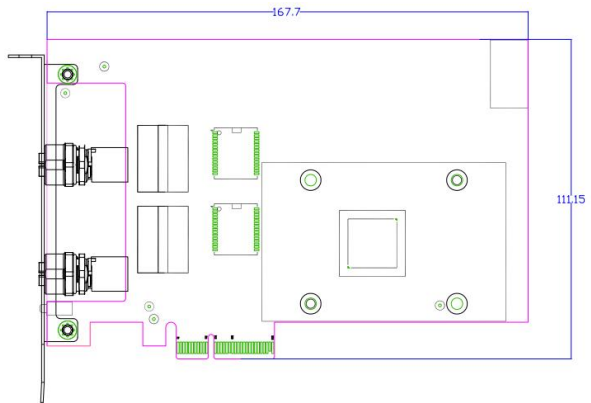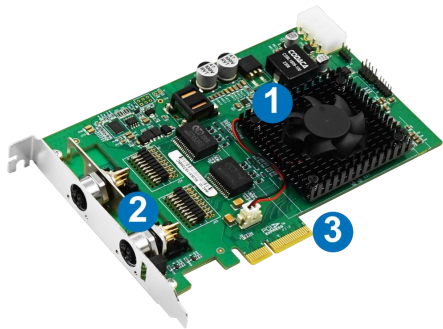
1. Heat sink
2. 2*10G M12 X-Code Connector
3. PCIe x4 Bus

PS: The picture is for reference, and the actual product shall prevail.

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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