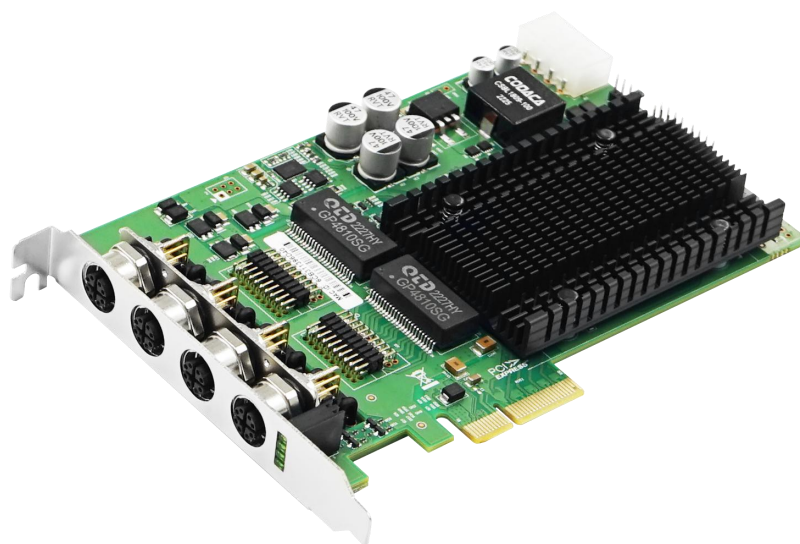


LRES4011MT-PoE

— PCIe x4 Quad Port PoE+ M12 Gigabit Vision Frame Grabber Card (Intel i350 Chip)

Overview



LRES4011MT-PoE is a PCI Express2.1 x4 Quad-port M12 X-code interface PoE+ gigabit ethernet image acquisition card independently developed by Shenzhen Lianrui Electronics Co., Ltd. On the basis of Intel master control scheme, compatible with PCIe x8 and x16 channels at the same time.

The LRES4011MT-PoE is developed on Intel Quad-port Ethernet MAC+PHY (Media Access Controller and Physical Interface Transceiver) controllers that allow four ports to operate in full duplex mode at the highest point in gigabit Ethernet connections to accommodate high-performance network communications. Link aggregation can be used to expand bandwidth and save PCI Express channel resources without using bus bandwidth.

The LRES4011MT-PoE uses a unique X-Code cross shield to isolate four communication signals for signal integrity, while its rugged and durable characteristics make the modified product ideal for wet and other harsh environments, such as field monitoring, railway monitoring, industrial production, etc.

Key Features

1. Single port PoE+ output power consumption up to 30W;
2. Adaptive to power output required by external equipment;
3. The adapter card adopts a wider M12 spacing design;
4. The more efficient radiator 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;
- 6, carefully selected thickening gold technology X-code M12 linker to ensure a more solid and reliable connection;
7. The design of four M12 X-code interfaces (Aviation interfaces) can better save precious PCIe slot resources on the motherboard.

Specifications

Controller	Intel i350
Bracket Height	Full height configuration
Power Consumption	5.0W
PoE Power/port	30W
Total output power	Power form PCIe up to 75W
	Power form 4-Pin up to 120W
System Support	Windows XP/Vista7/8/8.1/10/11
	Windows Server 2003 R2/2008 R2/2012 R2/2016 R2/2019 R2/2022 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	10/100/1000MbE
Connector	4* M12 X-code

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)
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 85 °C (-40 °F to 185 °F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C

Physical Features

PCB Size(mm)	167.7*111.15*1.6
Weight(g)	*

LED Indicators

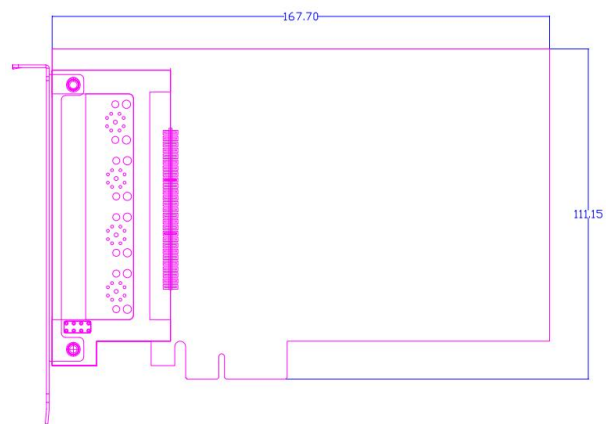
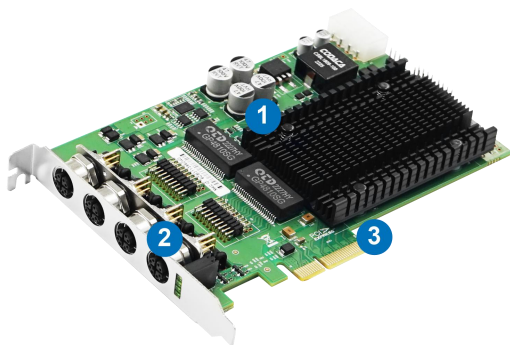
LED Indicators	PoE: Green
	1000Mbps: Yellow Link + Green Blink (Indicator light inside)
	100Mbps: Green Blink 10Mbps, No (Indicator light inside)

Order Information

P/N	Description
LRES4011MT-PoE	PCIe x4 Quad Port PoE+ M12 Gigabit Vision Frame Grabber Card (Intel i350 Chip)

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

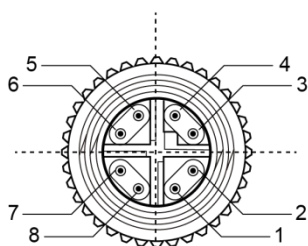
Product Structure



1. Heat sink
2. 4*PoE+ Indicator
3. 4*1G M12 X-code Connector
4. PCIe2.1 x4 Bus

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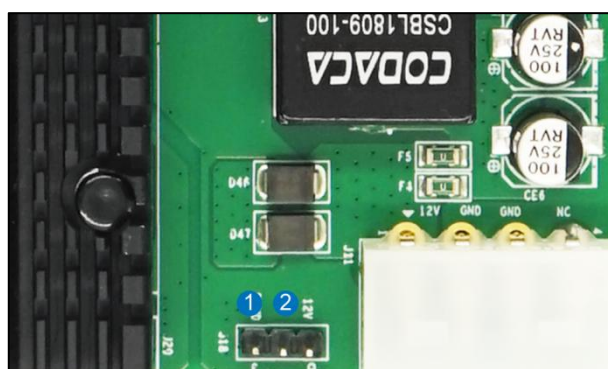
M12 (X-code) Line sequence diagram



正视图



PoE+ Function Switch



The default factory setting is the PoE+ enabled state; if you want to disable the PoE+ function, you need to move the jumper cap to the 12th position.

(PS: This function has a PoE+ switch function that can control 4 ports at the same time with one button, and does not have a separate port PoE+ function switch setting.)

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.

SHENZHEN LIANRUI ELECTRONICS CON.,LTD.

ADD:C4 Bldg.,Xintang Industry Zone,Baishixia FuyongTown,Baoan District Shenzhen China

Tel:+86(0)755-33671531 33671533 Fax:+86(0)755-29082065

Product Sales service@lr-link.com

Technical Support support@lr-link.com

WEB www.lr-link.com

LR-LINK

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