LRES2054PT-POE

— PCIe x4 Dual-port Gigabit Vision POE+ Frame Grabber (WX1860 Based)

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Overview

LRES2054PT-POE is a PCIe 2.0 x4 Dual-port Gigabit PoE+ Ethernet frame grabber, which is independently researched and developed by Linkreal Co., Ltd. based on the WX1860. It can be compatible with PCIe x8 and x16 channels. It is mainly used in industrial field vision inspection equipment, visual scene clients, and fast mobile Ethernet data transmission equipment. This frame grabber has a completely integrated Gigabit Ethernet media access control (MAC) module, which performs outstandingly in indicators such as data transmission, network bandwidth, average transmission delay, and actual small packet transfer rate. It can be connected to two 1GigE industrial cameras for stable operation, and meet the installation requirements of conventional industrial PCs.

LR-LINK's frame grabber has the following unique designs:

1. The adapter card adopts a wider RJ45 spacing design;
2. The interface is designed specifically for industrial-grade cable access, ensuring stable network speed and strong signal quality.
3. The larger heat sink can effectively solve the heat dissipation problem of the adapter in an environment with poor heat dissipation, ensuring the adapter runs stably for a long time.
4. The RJ45 connector with thick gold is carefully selected to ensure more solid and reliable connection;
5. The design of two RJ45 connectors can better save the precious PCIe slot resources of the motherboard.

Sales：service@lr-link.com
Support: support@lr-link.com

Key Features

1. Developed on the basis of Net-swift chip WX1860;
2. It has the advantages of low cost and convenient deployment in data center deployment;
3. It is of great significance for breaking the monopoly of certain enterprises and ensuring information security.

Specifications

Controller	WX1860	
Cable medium	Copper	
Cable Type	CAT-5	50M(1Gbps);100M(1Gbps);
	CAT-6	50M(1Gbps);100M(100Mbps);
	CAT-6e	50M(1Gbps);100M(100Mbps);
	CAT-7	100M(1Gbps)
Bracket Height	Low Profile & Full Height	
Power (min)	2.736W	
Power (max)	3.936W	
System Support	Windows 7 /8 /8.1 /10 /11	
	Windows Server 2008 /2012 /2016 /2019 /2022	
	Deepin 20 /20.6 /20.9	
	VMware ESXi 6.5 /6.7	
	Galaxy Unicorn V10	
	NeoKylin 7.6	
	RHEL/CentOS 7.3 /7.6 /7.9 /8.3	
	Ubuntu 16.04.3 /18.04.5	
	ZTE New Fulcrum 5.0.5 /3.2.2	
	Tongxin UOS 20	
	Sianux Server V7.0	
	Zhongke Fangde desktop operating system 4.0	
	Zhongke Fangde server operating system	
	Emind OS	
	iKuai router	
Bus Interface	PCIe 2.0 x4	
Data rate per port	10Mpbs;100Mbps;1Gbps	

Connector	2*1G RJ45
Power Supply	PCIe

Technical Features

Protocol Support	IEEE 802.3af -2003 PoE standard IEEE 802.3at -2009 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)
PXE	Yes
DPDK	Yes
WoL	No
iSCSI	No
Jumbo Frames	Yes
IEEE 1588	Yes
SR-IOV	Yes
UEFI	Yes
Jumbo Frame(max)	9.5KB
ESD	±8KV (Contact) , ±15KV (Air)

Environment Features

Operating Temperature	0 ℃ to 70 ℃ (32 ℉ to 158 ℉)
Storage Temperature	-40℃ to 70℃ (-40℉ to 158℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical Features

PCB Size(L x W x H)	157.4 x 68.7 x 1.6 mm
Package Size(L x W x H)	222 x 147 x 28 mm
Weight(g)	*

LED Indicators

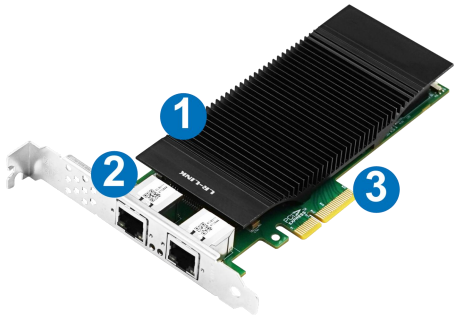
10Mbps	LINK	Green Link
	ACT	Green Blink
100Mbps	LINK	Green Link + Orange Link
	ACT	Green Blink + Orange Link
1Gbps	LINK	Green Link + Green Link
	ACT	Green Blink + Green Link

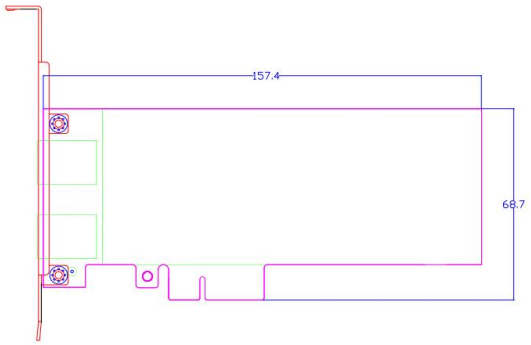
Order Information

P/N	Description
LRES2054PT-POE	PCIe x4 Dual-port Gigabit Vision POE+ Frame Grabber (WX1860 Based)

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

Product Structure





1. Heat sink
2. 2*1G RJ45
3. Golden fingers

PS: The depictions provided of our products are not to scale and are intended for illustrative purposes only.

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: https://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: https://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.
https://www.lr-link.com/contactus.html

Linkreal Co.,LTD.

Linkreal 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, intellectual property rights and brand names etc.mentioned in specifications are only referenced. There is no infringement meaning. If there is any important and sensitive content related, please contact our company, we'll delete them, Thank you.

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