

LRES2024PT

— PCIe2.1 x4 Dual-port Gigabit Ethernet Network Adapter (Net-swift WX1860A2 Based)

Overview



LRES2024PT is a PCI Express v2.1 x4 dual-port Gigabit Ethernet network adapter developed by Shenzhen Lianrui Electronics Co., Ltd. based on the WX1860A2 solution of the domestic main controller WebEx Technology. This adapter is compatible with PCIe x4, x8 and x16 and backward compatible with PCIe v1.1. The adapter card achieves a dual-port bidirectional communication transfer rate of 4GB on a PCI Express v2.1 x4 bus.

The ethernet network card (LRES2024PT) with independent intellectual property rights launched by Shenzhen Lianrui Electronics Co., Ltd. has a fully integrated Gigabit Ethernet media access control (MAC) and physical layer (PHY) module. It is widely used in the network communication of enterprises and institutions, and can also be used on PC servers, embedded and other network devices.

The main controller used by the optical network card has independent intellectual property rights and independent controllability, which is of great significance for breaking foreign monopolies and ensuring national information security.

The controller used by LRES2024PT is WebEx Technology WX1860A2, which is a domestically produced main control product with independent controllability. Including data transmission, data network bandwidth, average transmission delay, actual packet transmission rate and other indicators have reached the industry level. And has passed X86, Shenwei, Feiteng, Godson, Zhaoxin and other platforms for authoritative testing and application, and overall showed excellent performance.

Key Features

1. Net-swift WX1860A2 main controller;
2. Dual-port Copper Connector;
3. PCI Express (PCIe) v2.1 x4 lanes;

Specifications

Controller	Net-swift WX1860A2
Transmission medium	Copper
Copper Type	Cat 5E & Cat6 or higher, 1000Base-T up to 100m
	Cat 5 & Cat5E or higher, 100Base-T up to 100m
	Cat 3,4,5 & Cat5E or higher, 10Base-T up to 100m
Baffle Height	Full-height bracket
Power Consumption	2.5W
OS Support	Windows 7/8/8.1/10/11
	Windows Server 2008 R2 /2012 R2 /2016 R2 /2019 R2
	Linux Stable Kernel version 2.6.x/3.x/4.x or later
	Linux CentOS/RHEL 6.5 / 7.x or later
	Ubuntu 14.x/15.x/16.x or later
	VMware ESX/ESXi 4.x/5.x/6.x or later
	iKuai 3.6.4
Bus Type	PCIe v2.1 x4, compatible with x8 , x16
Data rate per port	100/1000Mbps
Connector	2*1G RJ45 Connector
Power supply	PCIe

Technical Features

Standards compliant	IEEE802.3at -2009 PoE standard IEEE802.3af -2003 PoE standard IEEE 802.3an 10GBASE-T Ethernet 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	No
FCoE	No
PCI-SIG/SR-IOV	Yes

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
Certification	FCC, CE, RoHS

Physical Features

Size (mm ±0.5mm)	156.7*120*12
Weight (g ±2g)	*

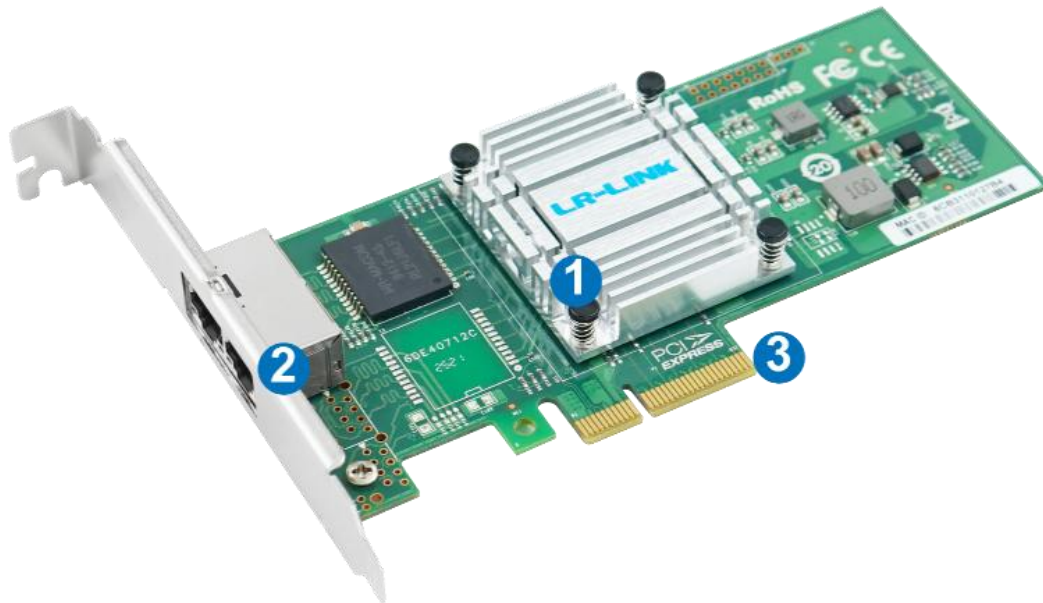
LED Indication

LED indication	1000M, Green bright + Green flashing
	10M/100M, Orange bright + Green flashing

Order information

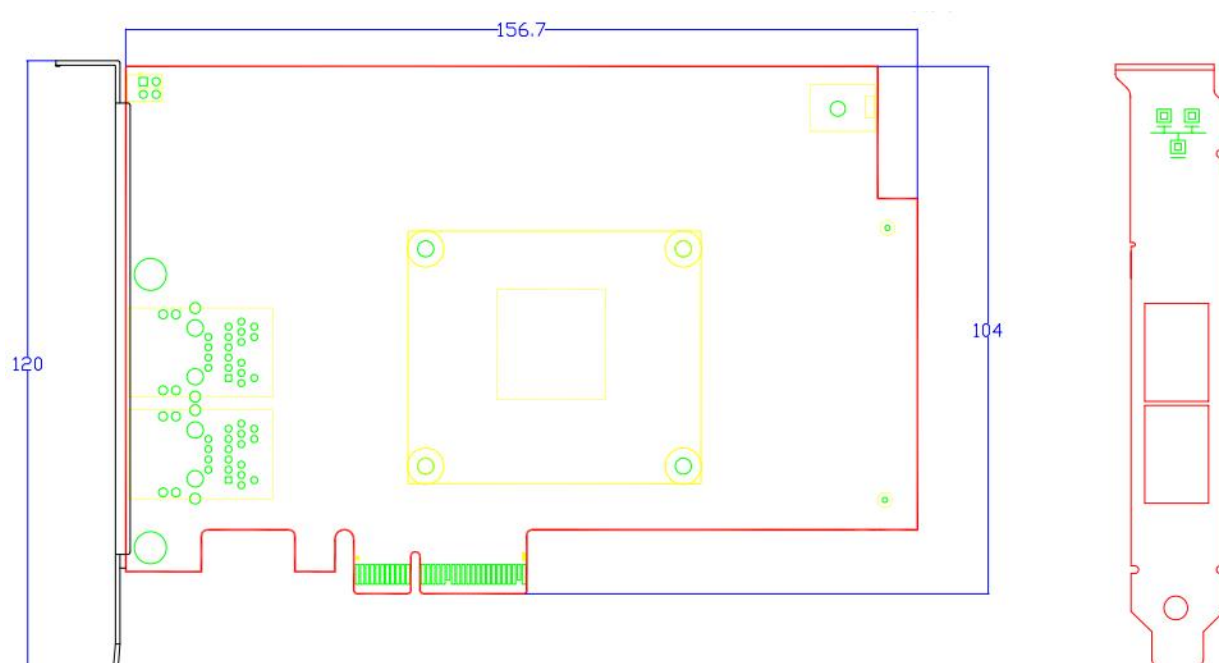
P/N	Description
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Product Structure



- 1、 Heat sink
- 2、 2*1G RJ45 connector
- 3、 PCIe v2.1 x4 Bus

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



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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 companv's independent R & D design team.manufacturedbv our companv 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 andnsensitive content related, please contact our Lianrui company, we'll delete them, Thank you.



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