

LRES2025PT

—PCIe2.1 x4 Quad-port Gigabit Copper Ethernet Network Adapter(Net-swift WX1860A4 Based)

Overview



LRES2025PT is a PCI Express v2.1 x4 four-port copper gigabit ethernet network adapter developed by Shenzhen Lianrui Electronics Co., Ltd. based on Net-swift. WX1860A4. This adapter can be compatible with PCIe x8 and x16 at the same time and backward compatible with PCIe v1.0. The adapter card achieves a four-port bidirectional communication transfer rate with a theoretical throughput of 8G on a PCI Express v2.1 x4 bus.

The ethernet network card (LRES2025PT) with Net-swift 's independent intellectual property rights launched by Shenzhen Lianrui Electronics Co., Ltd. has a fully integrated gigabit ethernet media access control (MAC) module. It is widely used in network communication, and can also be used on PC servers, embedded and other network devices.

The main controller used by Net-swift's independent intellectual property rights and independent controllability, which is of great significance for breaking the monopoly of certain enterprises and ensuring information security.

The controller used by LRES2025PT is autonomous and controllable. The indicators including data transmission, data network bandwidth, average transmission delay, and actual small packet transmission rate have reached the industry level.

Key Features

1. Developed on the basis of the controller solution designed and produced with Net-swift WX1860A4;
2. A PCI Express v2.1 x4 four-port copper gigabit ethernet network adapter.
3. It is widely used in network communication and used on PC servers, embedded and other network devices.
4. It is of great significance for breaking the monopoly of certain enterprises and ensuring information security.

Specifications

Controller	Net-swift WX1860A4
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	Half & Full-height bracket
Power Consumption	3.5W
OS Support	Windows 7/8/8.1/10/11
	Windows Server 2008 R2 /2012 R2 /2016 R2 /2019 R2
	Linux SLES 11/12
	CentOS / RHEL 6.6 ~ 7.4
	Ubuntu 14.04/16.10
	iKuai 3.6.4
Bus Type	PCIe v2.1 x4, compatible with x8 , x16
Data rate per port	100/1000Mbps
Connector	4*1G RJ45 Connector
Power supply	PCIe

Technical Features

Standards compliant	IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.1Q VLAN IEEE 802.1AS IEEE 802.1Qau IEEE 802.1p IEEE 802.1Qbg Virtual Bridging IEEE 802.1Qbb Priority Flow Control
iSCSI	No
WoL	No
Jumbo Frames	Yes
DPDK	Yes
PXE	No
FCoE	No
PCI-SIG/SR-IOV	Yes
IPsec	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)	151.5*120*21
Weight (g ±2g)	*

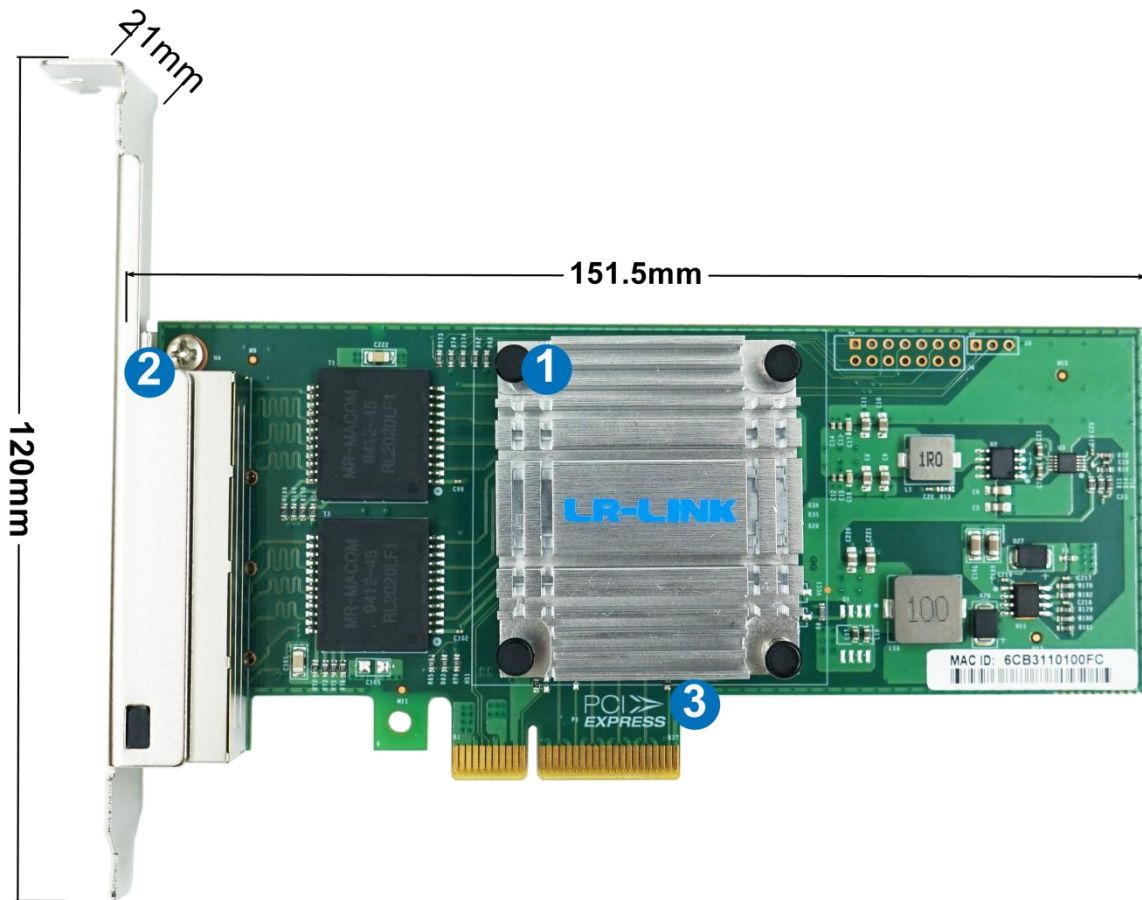
LED Indication

LED indication	1000M, Green light + Green Blink
	10M/100M, Orange light + Green Blink

Order information

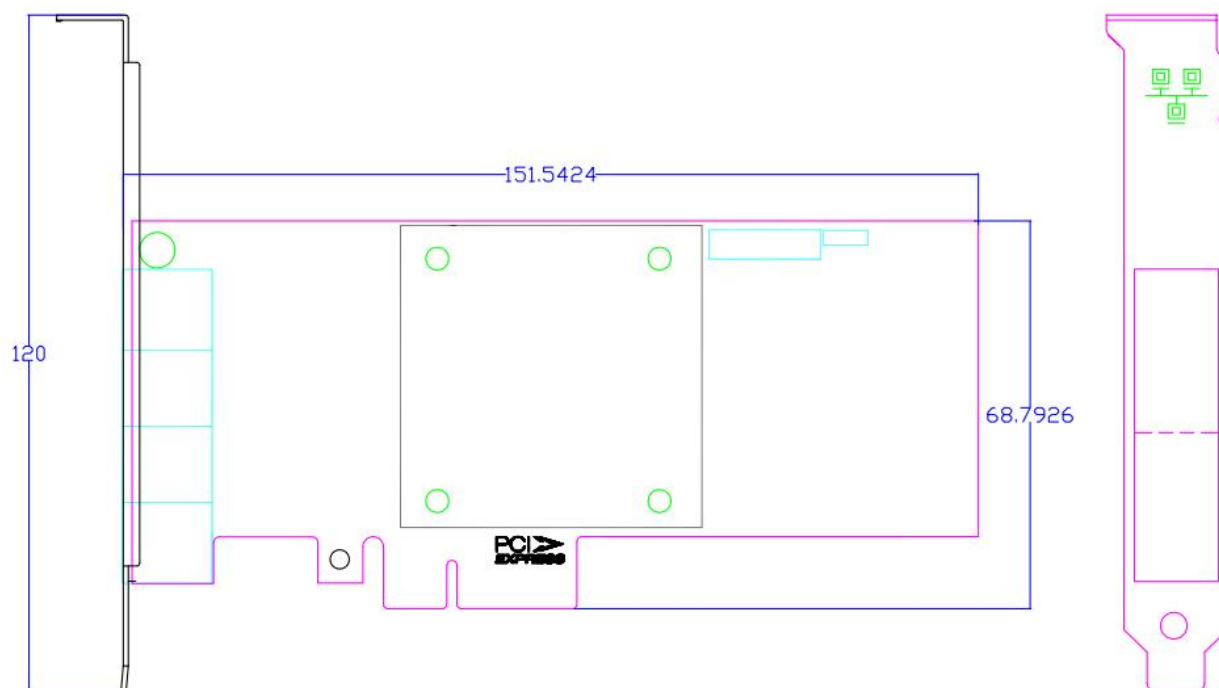
P/N	Description
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Product Structure



- 1、Heat sink
- 2、4*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 M.2 10/100/1000Mbps Desktop Adapter
- § LR-LINK PCIe 10/100/1000Mbps Desktop Adapter
- § LR-LINK Mini 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, intellectual property rights and brand names etc.mentioned in specifications are just referenced only. There is no infringement meaning. If there is any important and sensitive content related, please contact our Lianrui company, we'll delete them, Thank you.

SHENZHEN LIANRUI ELECTRONICS CO.,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



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