LRES2038PT
— PCIe x4 Quad-port Gigabit Copper Ethernet Network Adapter (Intel Chip Based)

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Overview

LRES2037PT is a PCIe x4 quad-port copper gigabit ethernet network adapter developed by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel chip. The adapter can be used on PCIe x8 and x16 channels at the same time. It is widely used in data transmission such as industrial manufacturing and machine processing.

It adopts ethernet power management technologies such as energy-saving ethernet and DMA merger, and has 4 sending queues and 4 receiving queues, error correction memory protection and other technologies to improve the reliability of data transmission, by combining parallel and pipeline logic architectures Together, to effectively manage delayed packets.

High-performance network data transmission is realized on the machine bus architecture, and it is compatible with ethernet and fast ethernet, which greatly reduces the cost of customer deployment and training. Users can easily and quickly migrate the network to gigabit ethernet 10/100/1000Mbps The link rate is adaptive to the link on the network. When the gigabit ethernet connection is the highest, it can allow quad ports to work in full-duplex mode at the same time to adapt to high-performance network communication.

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

Key Features

1. A PCIe x4 four-port copper gigabit ethernet network adapter, which can be used on PCIe x8 and x16 channels at the same time;
2. The product can be widely used in data transmission such as industrial manufacturing and machine processing;
3. Realize high-performance network data transmission on the machine bus architecture, and it is compatible with Ethernet and fast ethernet, which greatly reduces the cost of customer deployment and training;
4. When the gigabit ethernet connection is the highest, it can allow four ports to work in full duplex mode at the same time to adapt to high-performance network communication.

Specifications

Controller	Intel Chip
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	5.0W
OS Support	Windows 7/8/8.1/10
	Windows Server 2008 R2 /2008 R2 /2012 R2 /2016 R2 /2019 R2
	Linux SLES 11/12
	CentOS / RHEL 6.x / 7.x or later
	Ubuntu 14.x/16.x or later
	FreeBSD 9 / 10 / 11 or later
	Linux Stable Kernel version 3.x / 4.x or later
	Vmware ESX/ESXi 4.x / 5.x or later
Bus Type	PCIe v3.0 x4，compatible with x8，x16
Data rate per port	10/100/1000Mbps
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 802.3z IEEE 802.1Qav IEEE 802.1Qbu IEEE 802.1Qbv IEEE 802.3br IEEE 1588 IEEE 802.3ad IEEE 802.3az - Energy Efficient Ethernet
iSCSI	No
WoL	Yes
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes
FCoE	No

Environment Features

Operating Temperature	0℃ to 55℃ (32℉ to 131℉)
Storage Temperature	-40℃ to 70℃ (-40℉ to 158℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35℃
Certification	FCC, CE, RoHS

Physical Features

Size (mm ±0.5mm)	158*120*21
Weight (g ±2g)	*

LED Indication

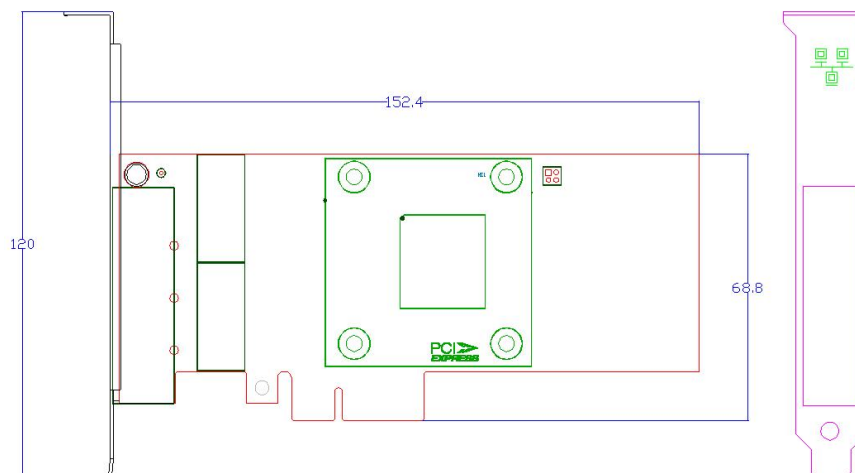|	
LED indication	1000M, Orange + Green
	10M/100M, Orange

Order information

P/N	Description
LRES2038PT	PCIe x4 Quad-port Copper Gigabit Ethernet Network Adapter (Intel Chip Based)

Product Structure
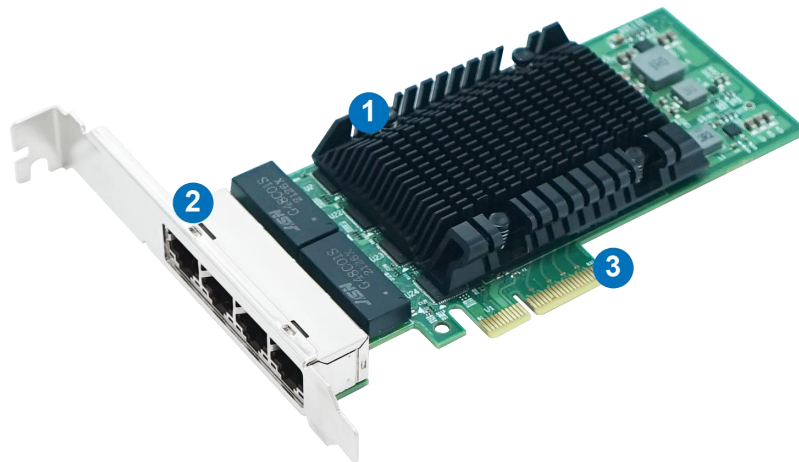
1、 Heat sink
2、 4*1G RJ45 Connector
3、 PCIe x4 Bus

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,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.

LR-LINK
Professional Ethernet Solutions Supplier

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