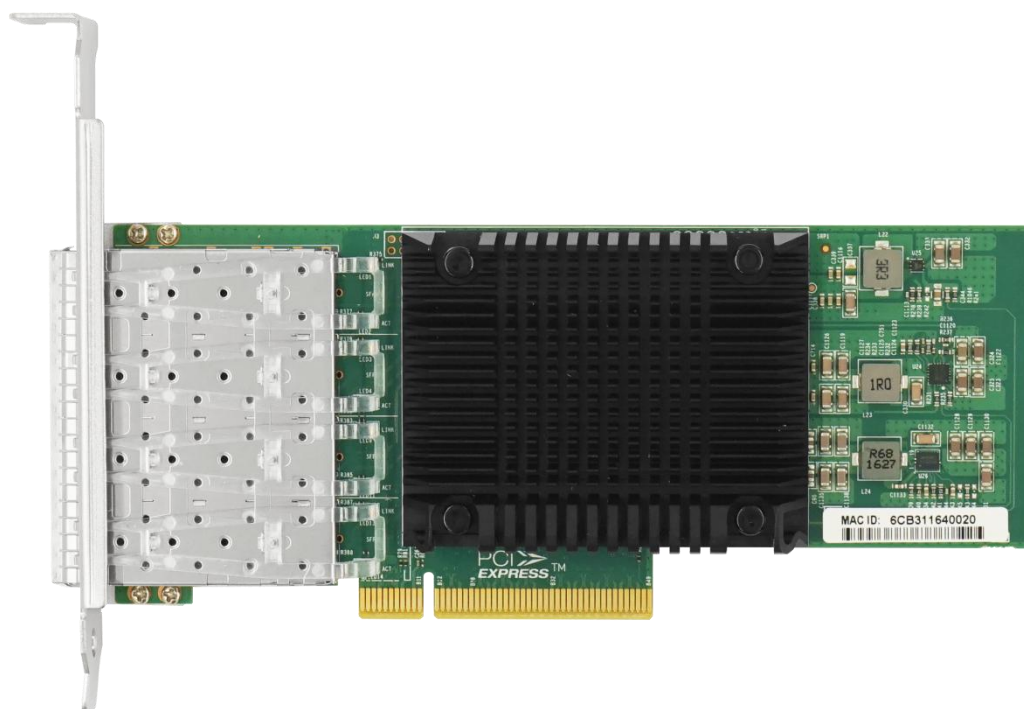


LRES1030PF-4SFP+

—PCIe x8 Quad-port 10G SFP+ Ethernet Network Adapter (Mucse RNP N10G Chip Based)

Overview



LRES1030PF-4SFP+ is a PCI Express v3.0 x8 Quad-port 10G SFP+ ethernet network adapter developed by Shenzhen Lianrui Electronics Co., Ltd. based on Mucse RNP N10. This adapter can be compatible with PCIe x16 and PCIe v2.1 .

The ethernet network card (LRES1030PF-4SFP+) with Mucse 's independent intellectual property rights launched by Shenzhen Lianrui Electronics Co., Ltd. has a fully integrated gigabit ethernet media access control (MAC) module and physical layer(PHY) module. It is widely used in network communication, and can also be used on PC servers, network security, embedded and other network devices.

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

Key Features

1. 10 Gigabit PCIe3.0 x8 optical ethernet network adapter with quad port ;
2. This adapter is mainly designed to be applied to servers, network security and their application devices;
3. Intel quad-port Ethernet MAC+PHY controller with 10Gb/s speed;

Specifications

Controller	Mucse RNP N10
Baffle Height	Half height & full height
Power Consumption	9.5W
Media	Fiber
Fiber type	10GBASE-SR、10GBASE-LR、10GBASE-Cu、1GBASE-SR、1GBASE-LR、1GBASE-Cu
System Support	CentOS / RHRL 7.1~8.5
	Ubuntu 18.04.5 LTS / 20.01.3
	麒麟 Kylin V10 / Kylin V4.0.2
	UOS V20
Bus Type	PCIe v3.0 x8, compatible with PCIe x16
Data rate	10 Gigabit
Connector	4*10G SFP+

Technical Features

Power over Ethernet management	YES
Protocol Support	IEEE 802.3ae 10 Gigabit Ethernet over fiber IEEE 802.3z Gigabit Ethernet IEEE 802.3x Full Duplex and flow control IEEE 802.1AS、IEEE 802.1Q VLAN IEEE 802.3AD、IEEE 802.3ad IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 802.1P、IEEE 802.3ac
PXE	NO
DPDK	NO
WoL	NO
iSCSI	NO
Jumbo Frames	YES
IPsec/MACSec	YES
Jumbo DataFrame Max	9.6KB
Virtualization function	VEB\VLAN\QinQ\VxLAN\NVRGE

Environment Features

Operating Temperature	0 °C to 70 °C (32 °F to 158 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC , CE , RoHS

Physical Features

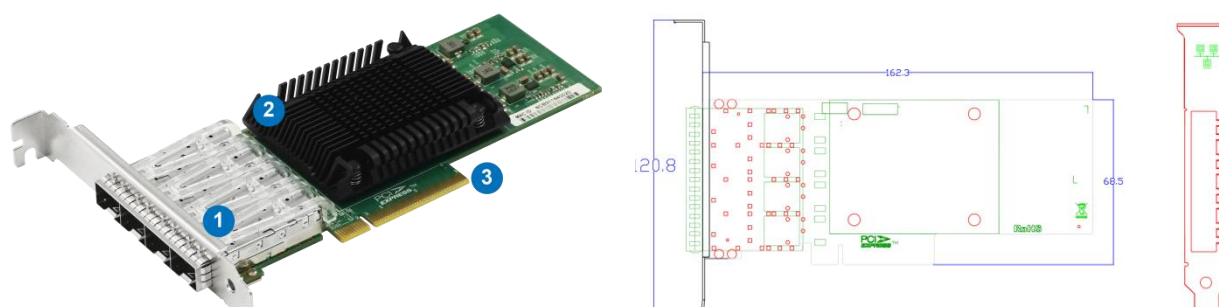
PCB Size(mm)	162.3*68.5*1.6 (±1~2mm)
Weight(g)	*

Order Information

P/N	Description
LRES1030PF-4SFP+	PCIe x8 Quad-port 10G SFP+ Ethernet Network Adapter (Mucse RNP N10 Chip Based)

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

Product Structure



1. 4*10G SFP+ Connector
2. Heat sink
3. PCIe v3.0 x8 Bus

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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 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.

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