LRES1023PF-4SFP28

— PCIe x16 Quad-port 25G SFP28 Ethernet Network Adapter (Intel E810 Chip Based)

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Overview

LRES1023PF-4SFP28 is a PCIe v4.0 X16 four-port 25G Ethernet network adapter developed by Shenzhen Lingrui Electronics Co., LTD based on Intel E810 master control solution. Using Intel 800 series master control, through innovative multi-functional functions to improve application efficiency and network performance. With its high-density high transmission rate ports, the cloud and communications are optimized for high-performance system workloads.

LRES1023PF-4SFP28 helps optimize performance in cloud and storage, high-density 25G port provides multiple on-demand connections, The Intel 800 series master application Device Queue (ADQ) provides dedicated traffic queues to reduce latency and improve application throughput while also supporting dynamic device personalization protocol specific traffic acceleration to improve packet processing efficiency and reduce CPU overhead. The addition of iWARP and RoCE V2's RDMA technology provides high-speed, low-latency, high-throughput connectivity to cloud storage targets.

LRES1023PF-4SFP28 contains IEEE 1588 PTP V2 precise time protocol support for precise clock synchronization.

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

Key Features

1. A fiber 25G ethernet network adapter based on Intel E810 chips.
2. Four 1/10/25GbE SFP28 ports deliver multiple high speed connections.
3. Dynamic Device Personalization (DDP)
4. Supports both RDMA iWARP and RoCEv2
5. Application Device Queues (ADQ)
6. IEEE 1588 Precision Time Protocol (PTP)

Specifications

Controller	Intel E810
Baffle Height	Full-height & half-height bracket
Power Consumption	22.0W
System Support	Windows Server 2016 R2/2019 R2 or later
	Linux SLES 12 or later;
	CentOS / RHEL 7.5 or later;
	Ubuntu 20.10 or later;
	Linux Stable Kernel version 4.19.58 or later;
	Vmware ESX/ESXi 5.x or later;
Bus Type	PCIe v4.0 x16
Data rate	25/10/1GbE
Connector	4*25G SFP28

Technical Features

Protocol Support	IEEE 802.3by-2016 25GBASE-X Ethernet IEEE 802.3ae 10GBASE-X Ethernet IEEE 802.1Qav IEEE 802.1Qbu IEEE 802.1Qbv IEEE 802.3br IEEE 1588 PTP v1&v2 IEEE 802.3ad IEEE 802.3az - Energy Efficient Ethernet
iSCSI	Yes(Can be set up)
WoL	No
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes(Can be set up)
FCoE	Yes(Can be set up)
RDMA	iWARP/RoCE v2

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 ℃

Physical Features

Size(mm)	170.8*120*21
Weight(g)	*

LED Indicators

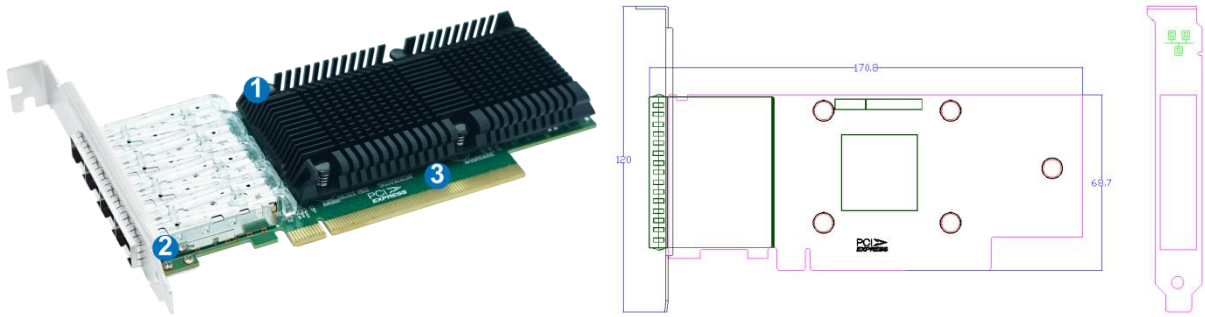
LED Indicators	25Gbps: Yellow Blink + Green Bright
	10Gbps: Yellow Blink + Green Bright
	1Gbps: Yellow Blink

Order Information

P/N	Description
LRES1023PF-4SFP28	PCIe x16 Quad-port 25G SFP28 Ethernet Network Adapter (Intel E810 Chip Based)

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

Product Structure



1. High-efficiency conduction radiator
2. 4*25G SFP28 interface
3. PCIe v4.0 x16 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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