

## LRES1006PF-6SFP

PCI Express x4 Six Port Gigabit SFP Network Adapter (Intel I350 Based)



### Overview:

LRES1006PF-6SFP is PCI Express x4 six-port Gigabit SFP Ethernet server adapter independently developed by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel I350 master control solution. Another high-performance Gigabit fiber optic network card designed. The adapter is designed for use on servers and high-end devices. And the performance is optimized, so that system I / O is no longer the bottleneck of high-end network applications. The adapter can be bundled into groups for fault tolerance, automatically detecting and routing communications from the failed port to other members of the same group to continue operation for uninterrupted communication. The adapter has integrated hardware acceleration and is capable of performing TCP/UDP/IP checksum offloading and TCP segmentation tasks. Host processing technology can offload the accelerator and free up CPU resources to free up more CPU resources to handle other applications. The adapter is the ideal solution for deploying multiple networks and deploying critical network applications and environments on high-performance servers.

LRES1006PF-6SFP adapter is equipped with dedicated PCI Express input/output (I/O) bandwidth in a Gigabit Ethernet connection over a fiber network to ensure superior performance without consuming bus bandwidth. The onboard 6 SFP slots are compatible with various Gigabit SFP modules. Users can select the Gigabit fiber modules to be used according to the actual transmission distance without replacing the network card. This adapter supports the PCI-SIG Single-Root I/O virtualization and sharing specification (SR-IOV).

LRES1006PF-6SFP network card is suitable for Gigabit fiber optic Ethernet, has excellent noise immunity, and also supports long-distance fiber connection. The adapter supports Intel PRO Smart Install and the new Intel PROSet designed for Microsoft Device Manager, simplifying the installation and management process. The Intel PROSet program simplifies the installation process for the adapter.

### FEATURES

Controller	Intel I350
Cable	Fiber
Cable Types	1000Base-SX/1000Base-LX/1000Base-Cu
Bracket	Full-height Bracket
Power (max)	6.5W
Support OS System	Windows Server 2003 /R2,2008 /R2,2012 /R2,2016 /R2,2019 /R2 Windows XP,Vista,7,8/8.1,10 Linux Stable Kernel version 2.4.x/2.6.x/3.x/4.x or later Red Hat Enterprise Linux 5,6,7 or later SUSE Linux Enterprise Server 10,11 or later FreeBSD 9,10 or later VMware ESX/ESXi 4.x,5.x,6.x or later
Connector	6 * SFP

## TECHNICAL FEATURES

Ethernet Power Management	Yes
IEEE* 802.3 Automatic negotiation	Yes
Support Speed	1000Mbps
IEEE Standard	IEEE 802.3z 1000BASE-X Gbit/s Ethernet IEEE 802.3x Full Duplex and flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.3ad Link aggregation for parallel links IEEE 802.1Q VLAN
PXE Support	Yes
Jumbo Frame Support	Yes
DPDK Support	CE,FCC,Rohs, ISO9001:2015
SR-IOV Support	Yes
IPv4/IPv6 Support	Yes
Wol Support	No
iSCSI Support	No

## ENVIRONMENT FEATURES

Operating Temperature	0 °C to 55 °C (-13 °F to 158 °F °F)
Storage Temperature	-40°C to 85 °C (-40 °F to 185 °F)
Storage Humidity	5%~90% non condensing
LED Indicators	1000Mbps Orange Light + Green Flashing

## Physical Features

Size (mm)	154*120*21
Weight (g)	

## Ordering Information

M/N	Description
LRES2006PT	PCIe x4 Six Port Gigabit SFP Network Adapter (Intel I350 Based)

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

## 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-SR/LR Server Adapter
- LR-LINK PCIe 25GBASE-SR/LR Server Adapter
- LR-LINK PCIe 40GBASE-SR/LR 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 100/1Gbps/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/product.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 Electronic Co.LTD

A professional supplier of high-quality NIC:PCI,PCI-X,PCI-Express;SC,ST,LC,SFP,SFP+,SFP28,QSFP+;100M,1G,5G,10G,25G,40G;single,dual,quad,six,eight ports. all series fiber and copper NIC with nearly 150 specifications which can meet demands of various applications, continuously creates value for customers and partners as well as OEM/ODM services provided.

## DECLARATION

Shenzhen Lianrui Electronics Co.,Ltd is an efficient Ethernet adapter design company with independent research and development, using Intel,Broadcom, Mellanox, Marvell, VIA, Realtek and other manufacturers Ethernet controller, developed by our company's independent R & D design team,manufactured by our company workshop, and then sell.

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 and sensitive content related, please contact our Lianrui company, we'll delete them, thank you.

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