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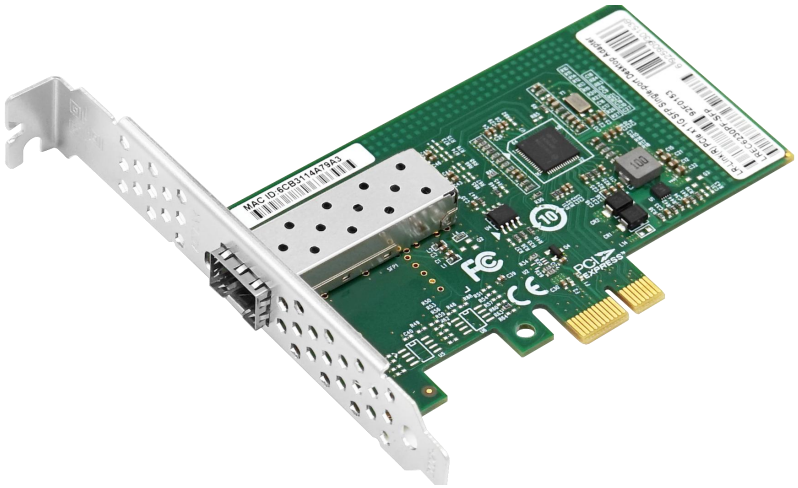
LREC6230PF-SFP

—PCIe x1 Single-port Gigabit SFP Ethernet Network Adapter (Intel I210)

Overview



LREC6230PF-SFP is a SFP optical fiber Gigabit Ethernet PCI Express x1 desktop adapter card independently developed by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel I210 solution; Optimized and improved, system I/O is no longer the bottleneck of network applications. This adapter card can achieve fault tolerance by bundling and converging into a group, automatically detect and route the communication from the faulty port to other members in the same group to continue running to achieve uninterrupted communication. This adapter card has integrated hardware acceleration to perform TCP/UDP/IP checksum offload and TCP segmentation tasks. The host processing technology can offload the accelerator, and the host processing technology can offload the accelerator, releasing the occupation of CPU resources to free up more CPU resources to process other applications.

The LREC6230PF-SFP adapter card is used in the Gigabit Ethernet connection of the fiber optic network. The dedicated input and output (I/O) bandwidth equipped with PCI Express can ensure the superior performance of this network card without occupying the bus bandwidth.

LREC6230PF-SFP is a single-port SFP fiber optic adapter card with onboard SFP slots. Users can choose fiber optic modules according to actual transmission distance requirements. At the same time, the adapter card uses INTEL I210 server controller, which has high performance, high stability, and high Quality and very good compatibility, compatible with all brands of computers and fiber optic switches, this adapter card is the most ideal solution for deploying high-performance fiber-to-the-desktop (FTTD) applications.

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

Key Features

1. An Intel I210-based PCIe x1 Gigabit Ethernet network adapter
2. With a rate of 1G

Specifications

Controller	Intel I210
Cable medium	Optical Fiber
Fiber Type	1000Base-SX、1000Base-LX、AOC
Bracket Height	Low & Full Height
Power Consumption	1.0W
System Support	Windows 7 /8 /8.1 /10
	Windows Server 2008 / R2
	Windows Server 2012 / R2
	Windows Server 2016 / R2
	Windows Server 2019 / R2
	Linux Stable Kernel version 2.6.x / 3.x / 4.x or later
	CentOS / RHEL 6.x / 7.x or later
	Ubuntu14.x/16.x or later
	FreeBSD 9 / 10 / 11 or later
	Vmware ESX/ESXi 5.x / 6.x or later
Bus Type	PCI Express v2.1 (2.5GT/s) x1; compatible with x4, x8, x16
Data rate per port	1Gbps
Connector	1*1G SFP

Technical Features

Protocol Support	Windows 7 /8 /8.1 /10 Windows Server 2008 / R2 Windows Server 2012 / R2 Windows Server 2016 / R2 Windows Server 2019 / R2 Linux Stable Kernel version 2.6.x / 3.x / 4.x or later CentOS / RHEL 6.x / 7.x or later Ubuntu14.x/16.x or later FreeBSD 9 / 10 / 11 or later Vmware ESX/ESXi 5.x / 6.x or later
PXE	Yes
DPDK	Yes

WoL	No
iSCSI	No
Jumbo Frames	Yes
FCoE	No

Environment Features

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical Features

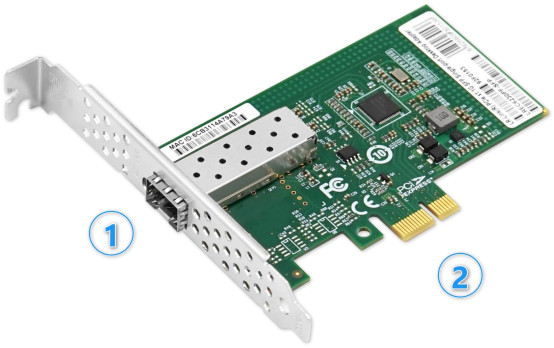
Size(mm)	111.2*120*21
Weight(g)	103.4

Order Information

P/N	Description
LREC6230PF-SFP	PCIe x1 Single-port Gigabit SFP Ethernet Network Adapter (Intel I210)

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

Product Structure



1. 1*1G SFP Connector
2. PCIe x1 Bus

PS: The picture is for reference, and the actual product shall prevail.

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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