

LREC9030PF

PCIe x1 100FX SC Port MM Fiber NIC (Intel 82574 Based)

Descriptions:

LREC9030PF is a PCI-e bus 100Mbps fiber network card developed by Shenzhen Lianrui Electronics CO.,LTD. With 1x9 optical transceiver module, it can be matched with different fiber connector or optical transceiver module with different transmission distance according to the requirement of users. The network card can offer users reliable fiber-optic link on fast ethernet internet, particularly it is fit for places where distance of accessing to POI beyond string Cat 5e (>100m).It can completely replace the networking structure of that Ethernet card with RJ45 port connects externally optical transceiver .It can provide users with reliable FTTH and FTTH solutions .Users can select the optical interface parameters (including connectors, single-mode / multi-mode fiber, working distance, etc) according to occasion.



desktop PC initiates a transaction with the network server, the server quickly performs its portion of the transaction, but must wait for the desktop PC to complete its part of the transaction. The slower the PC, the longer the server must wait for transaction completion before moving to the next transaction. With PCI Express Gigabit performance to the desktop, transactions on the PC side complete significantly faster, allowing the network to service more transactions faster.

Connectivity You Can Count On

For PCs with PCI Express (PCIe*) slots, the LREC9030PF Desktop Adapter offers the newest technology for maximizing system performance and increasing end-user productivity. Specifically, the Intel Gigabit CT Desktop Adapter uses auto-negotiation to ensure the adapter runs at the highest available network speed (10,100, or 1000 Mbps), and it maintains full bandwidth capacity with the dedicated bandwidth of a PCI Express input/output (I/O) bus to provide connectivity you can count on. Based on the low-power Intel 82574L Gigabit Ethernet Controller, this desktop adapter offers optimal performance in a low-cost, low-power, compact profile. Teaming support and an array of other advanced features enable customers to utilize this adapter as an entry-level server adapter as well.

Enhancing Desktop Performance

Fast servers and server connections are important for high network performance. However, server speed cannot overcome the drag of slow desktop performance. When a

PCI Express Makes Gigabit Ethernet Even Faster

PCI Express is the third-generation I/O standard with performance that supercedes the previous PCI and PCI-X* slot standards. The key to PCIe performance is its higher dedicated I/O bandwidth. Unlike the PCI bus, which shares its I/O resources with all devices on the bus, PCIe dedicates its I/O to a single device. The LREC9030PF Desktop Adapter allows you to take advantage of this dedicated I/O by combining Gigabit Ethernet with PCI Express to provide high-performance network connectivity for desktops with PCI Express slots. Make the Intel Gigabit CT Desktop Adapter your choice for applications utilizing rich media content such as video streaming, web application, music, and gaming.

Quick and Easy Installation

The LREC9030PF Desktop Adapter is supported by Intel PROSet Utility for Microsoft* Device Manager and Intel PRO intelligent install. Intel PROSet simplifies adapter installation and gives you point-and-click power for configuring and managing all of your Intel Network Connections.

Advantages:

Use the 6 layer PCB, double copper thickness, 50Z heavy gold plate
Optimize designation, improved the distribution line and integral network arrangement
Use the high power control
Use the USA Marvell original photoelectric controller
Improved the functions and quality

Features:

PCI-E X1 compliant
100M 1*9 module, SC connector, MM and SM available
Support PXE
Compliant with IEEE 802.3z
1000Base-SX / 1000Base-LX Ethernet standard
100Mbps fast ethernet, Full duplex or half-duplex, reach 200Mbps in full duplex
Support IEEE 802.3x flow control
Support IP Unicast broadcast and multicast address filtering mechanism
Support priority queue
Support IEEE 802.1Q VLAN tagging
Support IP multicast packet filter
reduces host CPU use

Networking Protocol:

IEEE 802.3Z 1000Base-SX/LX
Ethernet standard

IEEE 802.3x flow control
IEEE 802.1q VLAN tagging
GVRP VLAN registration protocol
IEEE 802.1p priority control
PCI-E 1.0 complaint
ACPI 2.0 power manage functions
NOS Software Support:
Windows 2000
Windows XP 32-bit (64-bit)
Windows Server 2003 32-bit (64-bit)
Windows Vista 32-bit (64-bit)
Windows 7 32-bit (64-bit)
Windows 8 32-bit (64-bit)
Windows Server 2008 32-bit (64-bit)
Windows Server 2008 R2 32-bit (64-bit)
Windows Server 2012 32-bit (64-bit)
DOS, Novell ODI
Novell Netware 5.x、6.x
Linux 2.4 series kernel and 2.6.x、3.x
FreeBSD 7.x and later
UnixWare / OpenUnix 8
Sun Solaris x86
VMWare
Microsoft NT 3.51 / 4.0
Microsoft Windows for Workgroups 3.11
Microsoft Windows CE.NET 4.0 / 4.2
Microsoft Client for DOS
NDIS2/3/4/5 driver
ODI for DOS driver
32 bit ODI LAN driver

Wavelength & Distance:

Fiber connector	Specifications	Wavelength	Distance
SC/PC	Dual fiber, MM	1310nm	2km

Order Information:

M/N	Description	Notes
LREC9030PF	PCIe x1 100FX SC Port MM Fiber NIC (Intel 82574 Based)	Wavelength 1310nm , distance 2km

PS: The above details are just for reference, if there are any changes, no prior notice.

ORDER CODES

LREC9030PF

COMPANION PRODUCTS

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
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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

ONLINE DOCUMENTS

For the latest product information, visit us Web
at <http://www.lr-link.com/>

DRIVERS AND PRODUCT LIST

To get the latest product list and drivers, please
visit us at [http://www.lr-link.com/ProductDriver/
index1.shtml](http://www.lr-link.com/ProductDriver/index1.shtml)

FOR PRODUCT INFORMATION

To know the network card basic knowledge to
choose the suitable card you need, please visit
us at <http://www.lr-link.com/product.html>
To get the product datasheet, please contact the
sales in Shenzhen Lianrui Electronics CO.,LTD.

CUSTOMER SUPPORT

LR-LINK customer Support Services offers a broad
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<http://www.lr-link.com/service.shtml> Service and
availability.

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Professional supplier of NIC

LianRui Electronic Co.LTD

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

Shenzhen Lianrui Electronics CO.,LTD

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