

LREC9201CT

PCI-Express x1 10/100/1000Mbps Network Card (Intel 82574 Based)

PCI Express*1 Gigabit Performance to the Desktop

Key Features

High-performance, self-configuring
10/100/1000Mbps connection for PCI
Express* slots
Easy installation, maintenance, and advanced
management capabilities
Low-cost, low-power, compact design



Connectivity You Can Count On

For PCs with PCI Express (PCIe*) slots, the LREC9201CT Desktop Adapter offers the newest technology for maximizing system performance and increasing end-user productivity. Specifically, LREC9601CT 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 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.

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 LREC9201CT 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 LREC9201CT Desktop Adapter your choice for applications utilizing rich media content such as video streaming, web applications, music, and gaming.

Quick and Easy Installation

The LREC9201CT 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.

Features

Intel® 82574L Gigabit Ethernet Controller
Interrupt moderation
PCI Express* x1 slot compatible
Compatible with Fast Ethernet and Ethernet
10/100/1000 Mbps auto-negotiation
Support for most network operating systems
Advanced configuration and power interface (ACPI); Wake on LAN* (WoL); Preboot Execution Environment (PXE)

Remote Management Support
 Intel® PROSet Utility for Microsoft* Device Manager
 Advanced cable diagnostics
 Intel backing
 Optimized queues: 2 Transmit (Tx) and 2 Receive (Rx)
 MSI-X support

Specifications

General

Product codes: LREC9201CT
 Connectors: RJ-45
 IEEE standards/network topology: 10/100/1000BASE-T
 Wiring : Category-5 UTP, 4-pair

Adapter Product Features

Intel® PROSet Utility for easy configuration and management
 ROHS

Plug and play specification support: Standard Auto-negotiation, full-duplex capable
 Integrated media access control (MAC) and physical layer (PHY)

Cable distance:

- 100m Category-5 for 1000/100 Mbps;
- Category-3 for 10 Mbps

9 KB jumbo frames

Ships with full-height bracket installed, low-profile bracket added in package

Network Management

Wired for Management (WfM) baseline v2.0
 DMI 2.0 support and Windows Management Instrumentation (WMI) and SNMP-Remote Installation Services (RIS)

ACPI* 1.0 power management

Wake on LAN* support over PCI Express*

PXE 2.0 enabled through boot read-only memory (ROM)

Advanced Software Features

Test switch configuration: Tested with major switch original equipment manufacturers (OEMs)
 TCP checksum offload – transition control protocol (TCP), user diagram protocol (UDP), Internet protocol (IP)

IEEE 802.1p*, Intel(R) Priority Packet 8
 TCP segmentation/large send offload
 Teaming support

Interrupt moderation

Technical Features

Data rate supported per port: 10,100, and 1000 Mbps

Bus type: PCI Express 1.1 (2.5 GT/s)

Bus width: x1 lane PCI Express operable in x1, x4, x8, x16 slots

Bus speed (x1, encoded rate): 2.5 Gbps uni-directional; 5 Gbps bi-directional

Interrupt levels: INTA, MSI, MSI-X

IEEE support: 802.3z*

Controller-processor: Intel® 82574L

Typical power consumption: 1.9W

Operating temperature: 0° C to 55° C (32° F to 131° F)

Storage temperature: -40° C to 70° C (-40° F to 158° F)

Storage humidity: 90% non-condensing relative humidity at 35° C

LED Indicators: LINK/ACTIVITY LED: off=NO

LINK; on=LINK; blinking=ACTIVITY

SPEED LED: off=10 Mb; green=100 Mb;

yellow=1000 Mb

Network Operating Systems (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

Order Information:

M/N	Description
LREC9201CT	PCI-Express x1 10/100/1000Mbps Network Card (Intel 82574 Based)

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



ORDER CODES

LREC9201CT

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
opper 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

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>

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 selection of programs including phone support and warranty service. For more information, contact us at <http://www.lr-link.com/service.shtml> Service and availability.

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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.

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