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LREC9714HT
— PCIe x4 Quad-port Gigabit Copper Ethernet Network Adapter (Intel I350 Based)

Overview

LREC9714HT is a PCIe x4 quad-port copper Gigabit Ethernet network adapter independently developed and produced by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel I350 chip solution. It is compatible with PCIe x8 and x16 channels at the same time. The design of this adapter card is mainly used in network applications such as servers and server clusters. The adapter card can be bundled and aggregated into a group through multiple ports to achieve fault tolerance and redundancy to expand network bandwidth and ensure network performance. It can automatically detect and route communications from the failed port to other members of the same group to continue running in real time. To achieve uninterrupted high-performance communication.

This adapter card has integrated hardware acceleration function and can 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, freeing up CPU resources to free up more CPU resources to process other applications. This adapter card is an ideal solution for deploying multiple networks and deploying critical network applications and environments on high-performance servers.

LREC9714HT is developed on the Intel I350 four-port Ethernet MAC+PHY (Media Access Controller and Physical Interface Transceiver) controller, which adopts a compact interface structure to better use server space, in Gigabit Ethernet When the network is connected, it can allow four network ports to work in full-duplex working mode at the same time to adapt to high-performance network communication. It can both expand bandwidth through link aggregation and save PCI Express channel resources at the same time, without occupying bus bandwidth. Support PCI SIG Single-Root I/O virtualization and sharing specification (SR-IOV) function.

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

Key Features

- 4 x 1G RJ45 Connector
- PCI Express (PCIe) v2.1 (5.0GT/s) x4 lanes
- RJ45 Connectivity
- Network Virtualization
- Flexible I/O virtualization for port partitioning and QoS of up to 32 virtual ports

Specifications

Controller	Intel I350
Baffle Height	Low Profile Bracekt and Full-height Bracket
Power(max)	5.04W
Power Consumption	1000Base-T Cat 5E/6 or higher: up to 100m
	100Base-T Cat 5/5E/6 or higher: up to 100m
	10Base-T Cat 3/4/5/5E/6 or higher: up to 100m
System Support	Windows XP/Vista7/8/8.1/10
	Windows Server 2003 R2/2008 R2/2012 R2/2016 R2/2019 /2019 R2
	Linux Stable Kernel version 2.4.x/2.6.32/3.x/4.x or later
	Linux CentOS/RHEL 6.5 / 7.x or later
	Ubuntu 14.x/15.x/16.x or later
	VMware ESX/ESXi 4.x/5.x/6.x or later
Bus Type	PCIe v2.1 x4, compatible with x8 & x16
Data rate supported per port	10/100/1000Mbps
Connector	4*1G RJ45

Technical Features

Protocol Support	IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3z IEEE 802.1Q VLANs IEEE 802.3x IEEE 1588 IEEE 802.3az - Energy Efficient Ethernet (EEE)
iSCSI	No
WoL	Yes
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes

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℃

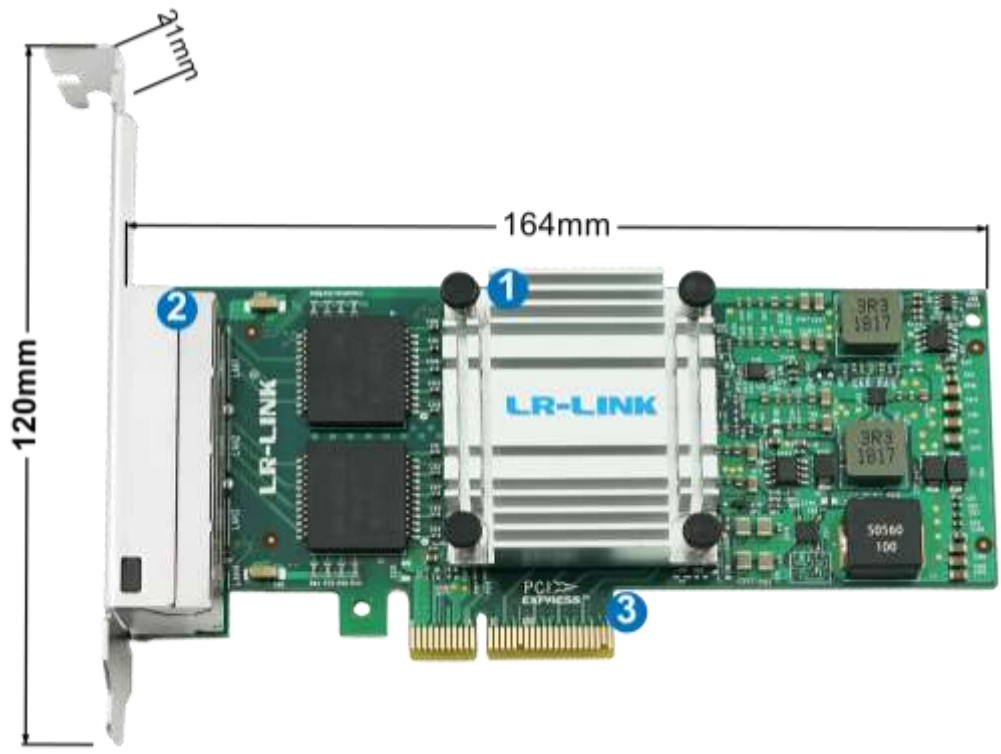## Physical Features

Size(mm)	164*120*21
Weight(g)	*

LED Indicators

LED Indicators	1000Mbps , Orange Link + Green Blink
	10/100Mbps , Green Link

Order Information

P/N	Description
LREC9714HT	PCIe x4 Quad-port Gigabit Copper Ethernet Network Adapter (Intel I350 Based)

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

Product Structure

1 . Heat sink
2 . 4*1G RJ45 Connector
3 . PCIe x4 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

§   L R-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 M.2 10/100/1000Mbps Network Adapter
§   LR-LINK Mini PCIe 10/100/1000Mbps Network 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.

SHENZHEN LIANRUI ELECTRONICS CON.,LTD.

ADD:C4 Bldg.,Xintang Industry Zone,Baishixia FuyongTown,Baoan District Shenzhen China

Tel:+86(0)755-33671531 33671533   Fax:+86(0)755-29082065
Product Sales lrlink@lr-link.com
Technical Support support@lr-link.com
WEB www.lr-link.com