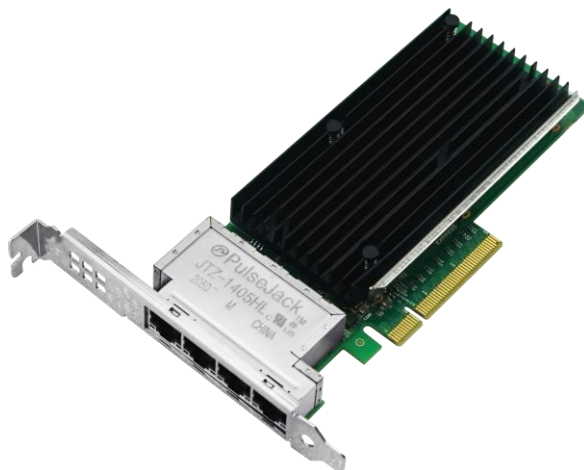


LRES1013PT

—PCIe x8 Quad-port 10G Copper Ethernet Network Adapter (Intel Chip Based)

Overview



LRES1013PT is a quad-port copper 10G ethernet PCIe x8 ethernet network adapter independently developed by Shenzhen Lianrui Electronics Co., Ltd. on the basis of Intel master control scheme, compatible with PCIe X16 channel at the same time. The adapters are designed primarily for use on servers and their application devices, as well as for common servers.

The LRES1013PT was developed based on Intel's quad-port ethernet MAC+PHY (Media Access Controller and Physical Interface Transceiver) controller, adding 2.5G and 5.0G NBASE-T support with adaptive link rates to the previous generation of Gigabit ports. In a variety of rate adaptive but also greatly reduce the power consumption to bring better performance.

Key Features

1. Quad copper 10G Ethernet PCIe x8 ethernet network adapter
2. Compatible with PCIE X16 channels.
3. Adapter is mainly designed to be applied to servers and their application devices
4. Added NBAE-T support with 2.5G and 5.0G and adaptive link rates

Specifications

Controller	Intel Chip
Baffle Height	Full-height & half-height bracket
Power Consumption	13.8W
System Support	Windows 10/11
	Windows Server 2016 R2 / 2019 R2 / 2022 R2
	Linux Stable Kernel version 3.x/4.x or later;
	Linux CentOS/RHEL 7.x or later;
	Ubuntu 16.x or later;
	VMware ESX/ESXi 5.x/6.x or later
Bus Type	PCIe v3.0 x8, compatible with x16
Data rate per port	100MbE/1/2.5/5/10GbE
Connector	4*10G RJ45

Technical Features

Protocol Support	IEEE 802.3an 10GBASE-T Ethernet IEEE 802.3bz 2.5/5GBASE-T Ethernet IEEE 802.3ab 1000BASE-T Ethernet IEEE 802.3u 100BASE-TX Ethernet IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 802.3z IEEE 802.1Q VLANs IEEE 802.3x IEEE 1588
iSCSI	No
WoL	No
Jumbo Frames	Yes
DPDK	Yes
PXE	Yes

FCoE	No
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Environment Features

Operating Temperature	0 °C to 55 °C (32°F to +131°F)
Storage Temperature	-40 °C to 85 °C (-40°F to 185°F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C

Physical Features

Size(mm)	162*120*21
Weight(g)	*

LED Indicators

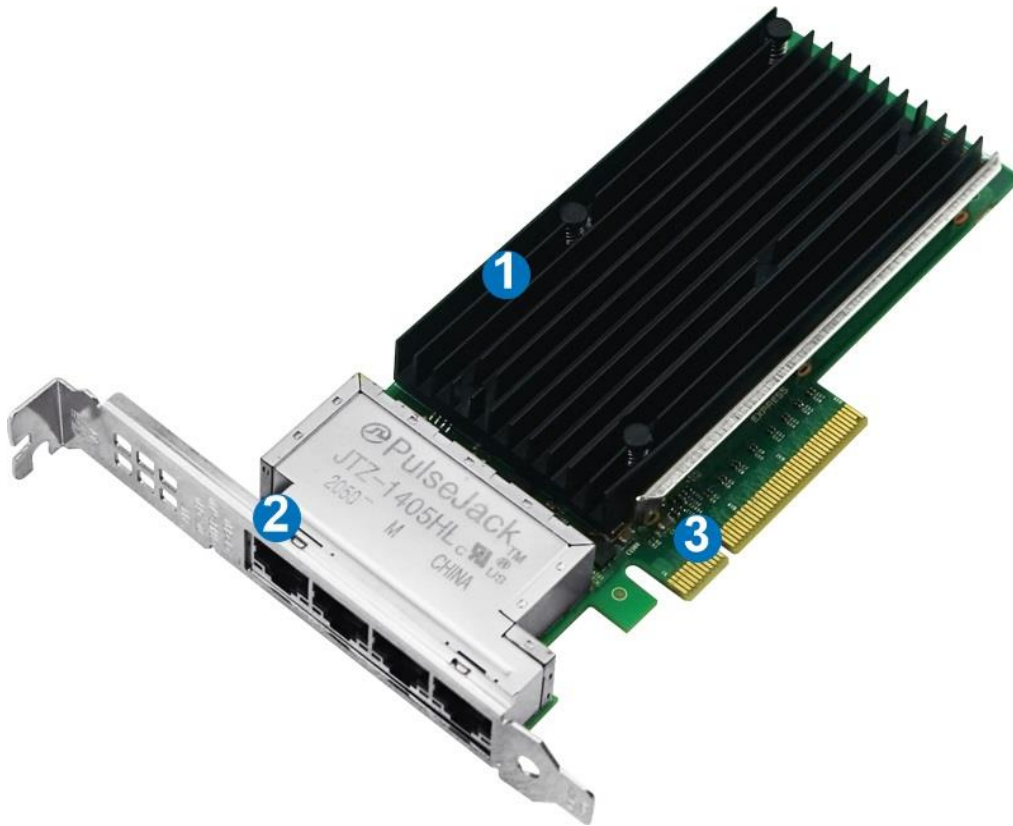
P0/P1	10Gbps	Green Link + Green Blink
	5.0/2.5Gbps	Yellow Link + Green Blink
	100/1000Mbps	Green Blink
P2/P3	10Gbps	Green Link + Green Blink
	5.0/2.5Gbps	Green Link + Green Blink
	100/1000Mbps	Green Link + Green Blink

Order Information

P/N	Description
LRES1013PT	PCIe x8 Quad-port 10G Copper Ethernet Network Adapter (Intel Chip Based)

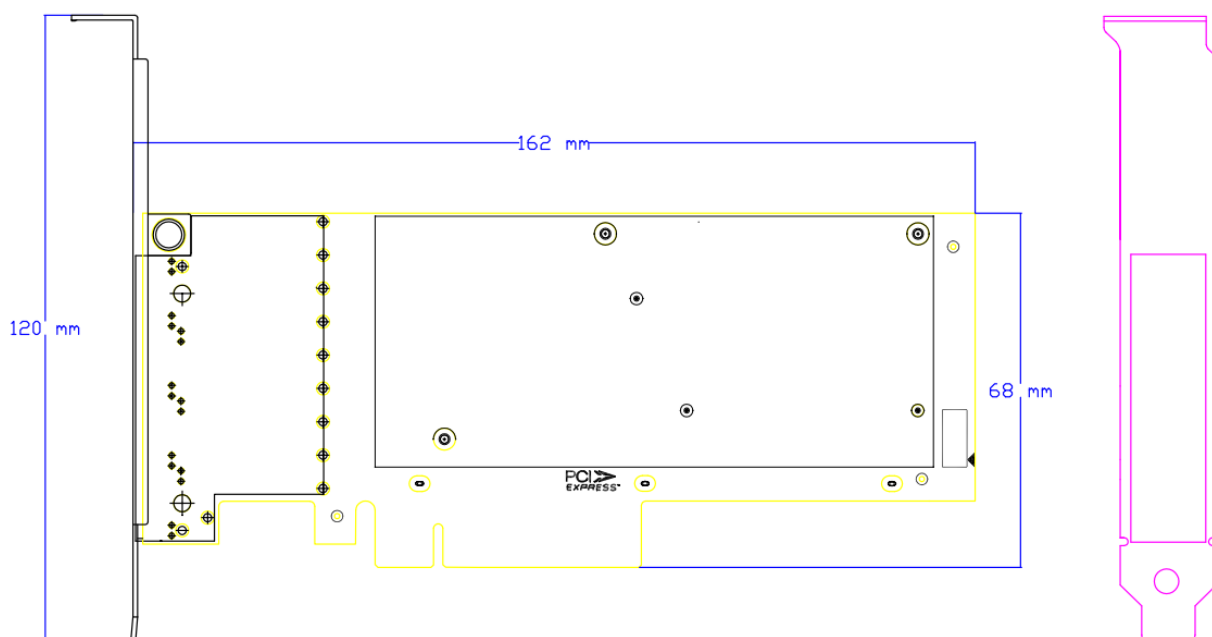
PS: Above details are only for reference, if there is any change, no prior notice.

Product Structure



1. High efficiency radiator
2. 4*10G RJ45 Interface
3. PCIe x8 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

- § 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, manufactured by 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, intellectual property 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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