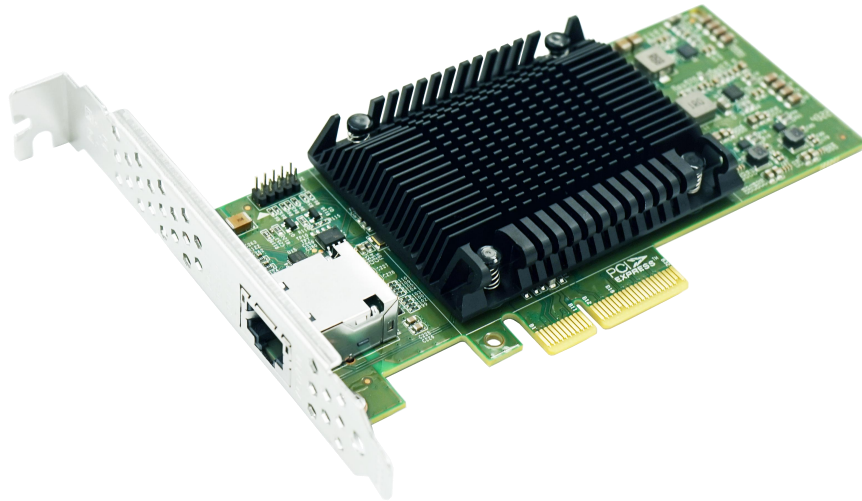


LREC6801BT

— PCIe x4 Single-port 10G Copper Ethernet Network Adapter (Intel 82599 Based)

Overview



LREC6801BT is a PCI-Express x4 single-port 10G ethernet network adapter developed by Shenzhen Lianrui Electronics Co., Ltd. based on Intel 82599. The adapter is based on the Internet cafe server, 10-gigabit to desktop applications, the adapter can be easily to connect the device to 10-gigabit network.

LREC6801BT provides hardware-enhanced features such as intelligent queue technology optimized for multi-core processors, implements on-chip load balancing, and can achieve a higher level of 10-gigabit ethernet scalable performance. Provides Intel Virtualization technology (VT-c) including the network layer to significantly improve overall system performance in a virtual server environment. Intel VT-c technology includes a number of hardware optimization features that dramatically reduce I/O bottlenecks, improve throughput and reduce latency.

Key Features

- A PCIe x4 single-port copper 10G ethernet network adapter
- It's oriented to Internet cafe , 10-gigabit to desktop and so on

Specifications

Controller	Intel 82599
Transmission medium	Copper
Copper Type	10GBase-T Cat 6a or higher , up to 33m
	2.5G/5GBase-T Cat 5E or higher , up to 100m
	100/1000Base-T Cat 5 or higher , up to 100m
Baffle Height	Low Profile & Full Height
Power Consumption	10.7W
OS Support	Windows 7/ 8/ 8.1/ 10/ 11
	Windows Server 2003 R2/ 2008 R2/ 2012 R2/ 2016 R2 / 2019 R2/ 2022 R2
	RHEL/Centos 6.x/ 7.x or later
	Ubuntu 16.04.3/ 18.04.5/ 20.04 or later
	SUSE 12.5 or later
	FreeBSD 9 / 10 / 11 or later
	Vmware ESX/ESXi 4.x / 5.x / 6.x or later
Bus Type	PCIe v2.0 x4 , compatible with x8 / x16
Data rate per port	10G/5G/2.5G/1G/100M
Connector	1*10G RJ45
Power Supply	PCIe

Technical Features

Standards compliant	IEEE 802.3an 10 Gbit/s Ethernet over unshielded twisted pair IEEE 802.3x Full Duplex and flow contro IEEE 802.1Q VLANs IEEE 1588 IEEE 802.3az - Energy Efficient Ethernet (EEE)
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PXE	Yes
iSCSI	No (can be set)
WoL	No
Jumbo Frames	Yes
DPDK	Yes
FCoE	No (can be set)

Environment Features

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	Maximum: 90% non-condensing relative humidity at 35°C
Certification	FCC, RoHS, CE

Physical Features

PCB Size (mm ±0.5mm)	138*67*1.6 (±0.1)
Size (mm ±0.5mm)	224*150*30 (±0.1)
2U Baffle	*1
Installation guide	*1
Product warranty card	*1
Net Weigh (g)	*

LED Indication

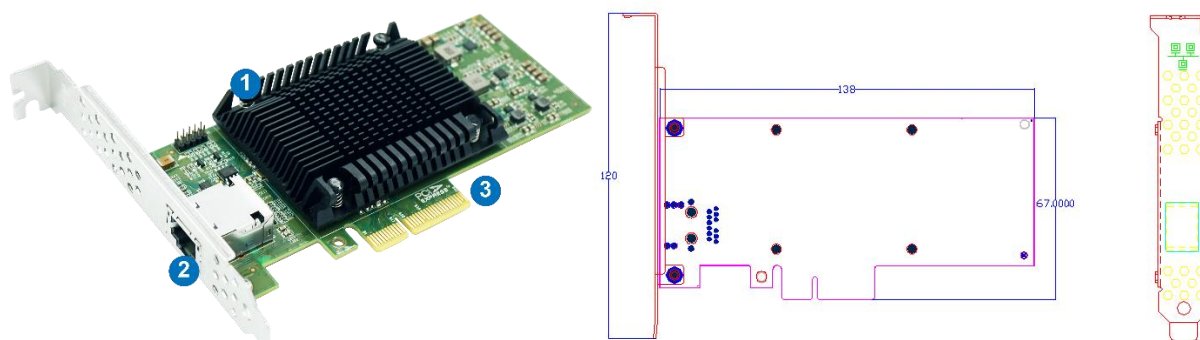
The states	10G/5G/2.5G/1G/100M , Green Link + Green Blink
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PS: For the access of each speed, the indicator light is green blinking + green steady on.

Order information

P/N	Description
LREC6801BT	PCIe x4 Single-port 10G Copper Ethernet Network Adapter (Intel 82599 Based)

Product Structure



- 1、Heat Sink
- 2、1*10G RJ45 Connector
- 3、PCIe x4 Bus

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

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, intellectualproperty 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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