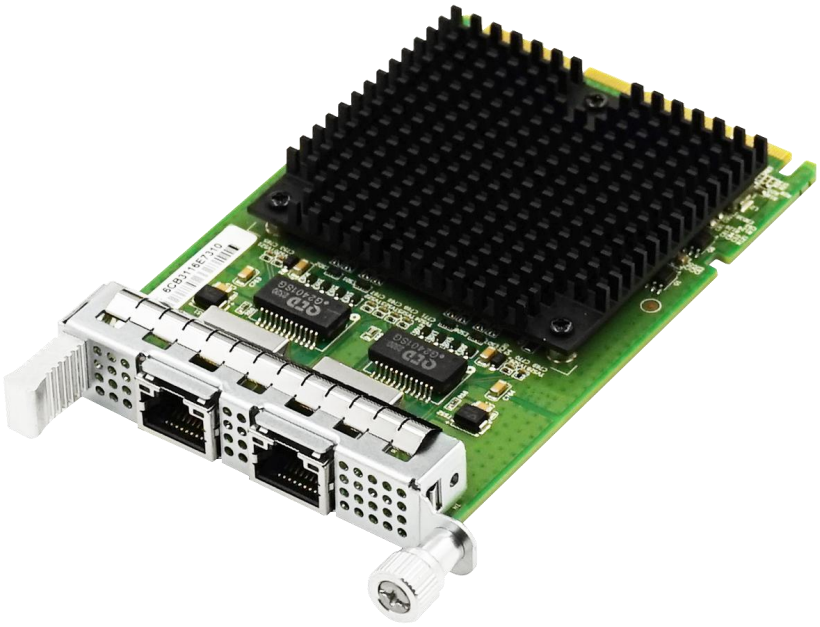
LRES3041PT-OCP

—OCP3.0 Dual-port Gigabit Copper Ethernet Network Adapter (Intel I350)

LR-LINK
Link your world to everywhere

Overview



LRES3041PT-OCP is an OCP3.0 SFF dual-port copper Gigabit Ethernet network adapter independently developed by Shenzhen Lianrui Electronics Co., Ltd. based on the Intel I350 master control solution. This adapter is mainly designed for use in servers and their application equipment.

LRES3041PT-OCP can simultaneously bundle and aggregate multiple ports into a group to achieve fault tolerance and redundancy, to expand network bandwidth and ensure network performance, and can automatically detect and implement real-time fault recovery. The communication of the port is routed to other members in the same group to continue operation to achieve uninterrupted high-performance communication.

LRES3041PT-OCP adopts the SFF standard structure of OCP3.0, which is developed on the Ethernet MAC+PHY (media access controller and physical interface transceiver) controller based on Intel Gigabit rate, and supports NCSI function and Scan Chain Function, also has ESD anti-static protection ability and surge protection ability.

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Support: support@lr-link.com

Key Features

1. An Intel solution OCP3.0 SFF structure of the dual-port optical fiber Gigabit Ethernet network adapter
2. With a rate of 1G
3. It can enhance DPDK to be more efficient and flexible in packet forwarding and packet processing.

Specifications

Controller	Intel I350	
Cable medium	Copper	
Fiber Type	Cat5	50M(1Gbps);100M(1Gbps)
	Cat6	50M(1Gbps);100M(1Gbps)
	Cat6e	50M(1Gbps);100M(100Mbps)
Bracket Height	SFF	
Power (min)	2.484 W	
Power (max)	3.024 W	
System Support	Windows 7 /8 /8.1 / 10 /11	
	Windows Server 2008 /2012 /2016 /2019 /2022	
	RHEL/Centos7.3 /7.6 /7.9 /8.2 /8.3	
	Deepin 15.11 /20 /20.6	
	Ubuntu 16.04.3 /18.04.5 /20.04.1	
	SUSE 12.5	
	FreeBSD 12.2	
	ZTE New Fulcrum 3.2.2 /5.0.5	
	Asianux Server v7.0	
	Galaxy Unicorn v10 SP1	
	NeoKylin 7.6	
	Zhongke Fangde desktop operating system 4.0	
	Zhongke Fangde server operating system	
	Tongxin UOS 20	
	Emind OS	
	OpenKylin0.7.5	
	VMware ESXi 6.5 /6.7 /7.0	
	Mikrotik	

	iKuai router
Bus Type	OCP3.0 SFF
Data rate per port	1Gbps
Connector	2*1G RJ45
Power Supply	OCP

Technical Features

Protocol Support	IEEE 802.3ab 1000BASE-T Ethernet IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 802.3z IEEE 802.1Q VLANs IEEE 802.3x IEEE 1588
PXE/UEFI	No
DPDK	Yes
WoL	No
iSCSI	No
Jumbo Frames	Yes
FCoE	No
VMDq、SR-IOV	Yes
IPsec	Yes
Jumbo DataFrame Max	9.2KB
NCSI	Yes
Scan Chain	Yes
ESD_Contact discharge	±8KV
Lightning surge test	±2KV (common mode)

Environment Features

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical Features

PCB Size(mm)	76*115*1.6
Package Size Size(mm)	179*150*30
Weight(g)	*

LED Indicators

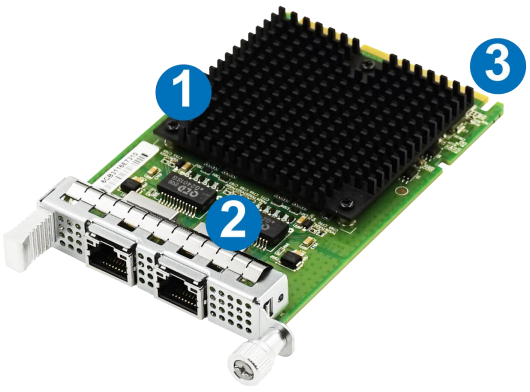
10/100M	Connection Status	Orange Link
	Transfer status	Orange Blink
1G	Connection Status	Green Link + Orange Link
	Transfer status	Green Link + Orange Blink

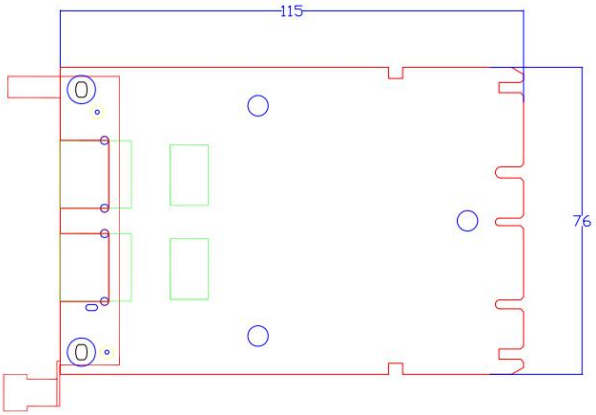
Order Information

P/N	Description
LRES3041PT-OCP	OCP3.0 Dual-port Gigabit Copper Ethernet Network Adapter(Intel I350)

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

Product Structure





1. Heat sink
2. 2*1G RJ45 Connector
3. Golden fingers

PS: The picture is for reference, and the actual product shall prevail.

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: https://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: https://www.lr-link.com/product.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.
https://www.lr-link.com/contactus.html

Linkreal Co,.LTD.

Linkreal 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 only referenced. There is no infringement meaning. If there is any important and sensitive content related, please contact our company, we'll delete them, Thank you.

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