

LRES3026PF-OCP

Dual-port 100GbE PCIe OCP3.0 Ethernet Adapter (Intel E810-CAM2 Based)



Key Features:

- PCI Express 4.0 x16
- Dual-port QSFP28 interfaces
- OCP3.0 SFF
- Support 10/25/50/100Gbps
- Support RDMA(IB)
- Support device hot swap

Overview

LRES3026PF-OCP is a Dual-port 25GBE PCIe OCP3.0 Ethernet Adapter independently developed by Linkreal Co., Ltd. It is equipped with two 100G optical ports, uses the QSFP28 module, supports high-speed fiber transmission. The physical board size of the product complies with the OCP3.0 design specification and small form factor (SFF) .

Based on the Intel E810-CAM2 main control chip design, LRES3026PF-OCP supports ADQ, uses advanced traffic control technology to improve the predictability of application response time, supports RDMA, ensures high-speed and low-latency connections for storage devices. It has hot-swappable functions, making expansion and maintenance more convenient and reducing operating costs.

LRES3026PF-OCP Ethernet network adapter can be widely used in cloud-level networks, storage, machine learning, data analysis and HPC.

Specifications

Model	LRES3026PF-OCP	
Adapter Type	OCP 3.0	
Controller	Intel E810-CAM2	
Form Factor	SFF	
Host Connector	PCIe4.0 x16	
Connectors	2*QSFP28	
Link Speed	10/25/50/100GbE	
Cable	Optical fiber	
Fiber Type	10GBASE-SR 10GBASE-LR 25GBASE-SR 25GBASE-LR 50G-LAUI2-AOC 100GBASE-SR4 100GBASE-LR4 100G-CAUI4-AOC	
Min Power(w)	15.564 W	
Max Power(w)	20.724 W	
ESD(Contact Discharge)	±8KV Class A	
Protocol Support	IEEE 802.3ae IEEE 802.3by IEEE 802.3cd IEEE 802.3ba IEEE 802.3x Full Duplex and flow control IEEE 802.1Q VLAN IEEE P802.1Qbb-2011 IEEE P802.1Qbg-2012 IEEE 1588	
Firmware Version	4.30	
PXE	Yes	
NCSI	Yes	
WoL	No	
SR-IOV	Yes	
1588 PTP	Yes	
Hot Swap	Yes	
FRU Read and Write	Yes	
RDMA(IB)	Yes	
Jumbo Frames	9.7KB	
OS Support	* Windows 10/11 * Windows Server 2016/2019/2022 * Deepin 20/20.6 * VMware ESXi 6.7/7.0/8.0 * RHEL/CentOS 7.6/7.9 * RHEL/CentOS 8.2/8.3/9.0 * Ubuntu 16.04.3/18.04.5 * Ubuntu 20.04.1/22.04/24.04 * SUSE 12.5/15.4	* Galaxy Unicorn V10 * Neo Kylin 7.6 * Open Kylin 2.0 * NewStart Desktop OS 4.5.2 * NewStart Server OS 6.6.6 * UOS 20 * Fangde Desktop OS 4.0 * Fangde Server OS 5.0 * iKuai router * Rocky 9.4

	* FreeBSD 12.2/13.2 * FusionOS 22.0.6/23.0.4	* Debian 12.5.0 * OpenEuler 24.03
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LED Indicators

Link Speed	Connection Status	Transfer Status
10Gbps/25Gbps/50Gbps	Orange Link	Orange Link + Green Blink
100Gbps	Green Link	Green Link + Green Blink

Environment Features

Operating Temperature	-10°C to 55°C
Storage Temperature	-40°C to 70°C
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC,CE,RoHS

Physical Properties

PCB Size(Unit:mm)	115*76*1.6
Package Size (Unit: mm)	179*150*30

Packing List

Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Anti-static bag

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Dimensions(unit:mm)

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