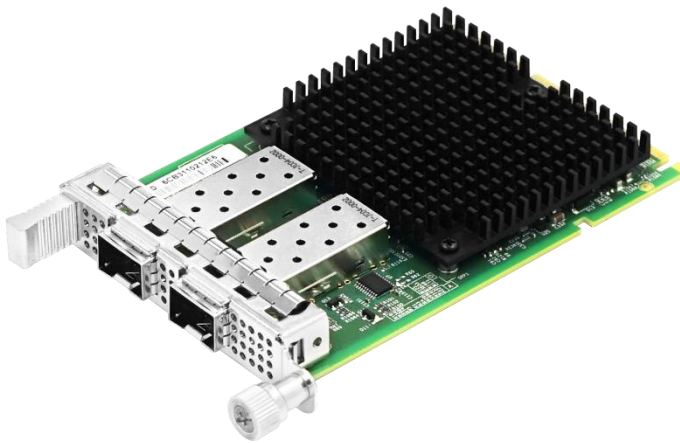


## LRES3020PF-OCP

# OCP3.0 Dual-port 10G Ethernet Network Adapter V2 (Net-swift 1820AL2 Based)

FC CE RoHS



### Key Features:

- Supports PCIe 3.0 (8.0GT/s) x8;
- Equipped with 2 10G SFP+interfaces, supporting data transmission rates of 1Gbps and 10Gbps;
- Operating temperature: 0 °C~50 °C (industrial grade);

### Overview

LRES3020PF-OCP is a dual port 10G Ethernet adapter with OCP3.0 SFF structure developed by Linkreal Co., Ltd. based on the Net-swift 1820AL2 main control scheme. This network adapter has dual ports that can simultaneously support adaptive 1/10G link rates. Flexible use in various network environments with different speed requirements, providing reliable performance in flexible LAN and SAN networks.

This adapter card has a domestically produced independent intellectual property Ethernet fiber optic network card (LRES3020PF-OCP), which has multiple functions such as LAN performance acceleration, network security, network fusion, network virtualization, and data center bridging. The transmission bandwidth of a single port is 10Gbps, the number of logic gates in the main controller reaches 18 million, and the on-chip SRAM capacity reaches 25Mbit. Mainly designed for servers and high-end devices.

## Specifications

Model	LRES3020PF-OCP	
Controller	Net-swift1820AL2	
Cable medium	Optical fiber	
Fiber Type	10G Base-R、1G Base-R	
Bracket Height	SFF	
Min Power(w)	3.72W	
Max Power(w)	5.61W	
Connector	2 * 10G SFP+	
Bus Type	PCIe3.0 (8.0GT/s) x8	
Data rate per port	1G/10Gbps	
Power Supply	OCP	
Protocol Support	IEEE802.1p、802.1Q, 802.1Qaz,802.1Qau, IEEE802.2、802.3ac、802.3ad、802.3az、802.3x、802.3z	
PXE	Yes	
WoL	No	
UEFI	Yes	
SR-IOV	Yes	
1588 PTP	Yes	
ScanChain	Yes	
NCSI	Yes	
FRU	Yes	
SMBus	Yes	
Jumbo Frames	9.2KB	
System Support	<ul style="list-style-type: none"> <li>* Windows 7/8/8.1/10/11</li> <li>* Windows Server 2008/2012</li> <li>* Windows Server 2016/2019</li> <li>* Windows Server 2022</li> <li>* Deepin 20/20.6/20.9</li> <li>* VMware ESXi 6.5/ 6.7</li> <li>* Ubuntu 18.04.5/20.04.1</li> <li>* Ubuntu 22.04.2/22.04.3</li> <li>* ZTE New Fulcrum 3.2.2</li> <li>* Galaxy Unicorn v10</li> </ul>	<ul style="list-style-type: none"> <li>* NeoKylin 7.6</li> <li>* OpenKylin 0.7.5</li> <li>* SUSE 12.5</li> <li>* Zhongke Fangde desktop operating system 4.0</li> <li>* Zhongke Fangde server operating system</li> <li>* Tongxin UOS 20</li> <li>* Emind OS</li> <li>* iKuai router</li> </ul>

## LED Indicators

10G	Connection Status	Green Link + Blue Link
	Transfer status	Green Blink + Green Link + Blue Link
1G	Connection Status	Orange Link + Blue Link
	Transfer status	Green Blink + Orange Link + Blue Link

## Environment Features

Operating Temperature	-45 °C to 85 °C (-49°F to 185 °F)
Storage Temperature	-45 °C to 85 °C (-49°F to 185 °F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC, CE, RoHS

## Physical properties

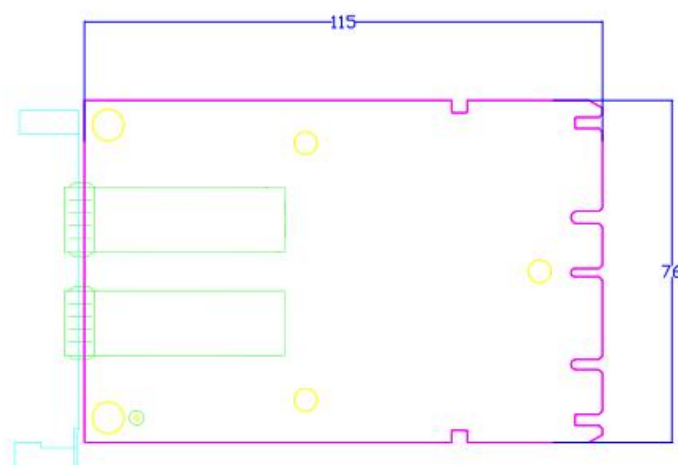
PCB size(unit:mm)	115*76*1.6
Package size (unit: mm)	179*150*30

## Packing List

Bracket	Default SFF baffle installation
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Anti-static bag

PS: The depictions provided of our products are not to scale and are intended for illustrative purposes only.

## Dimensions



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