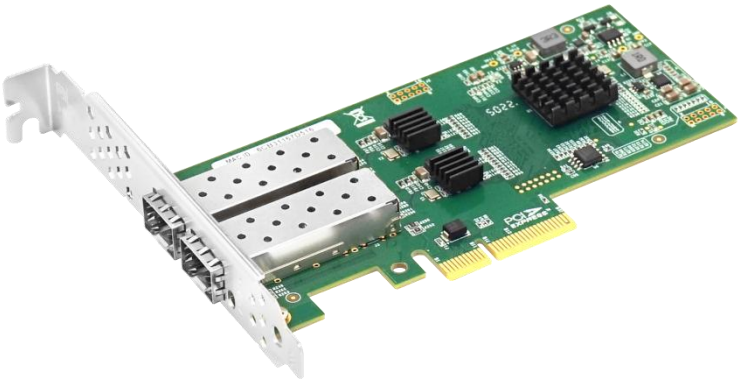
LRES2027PF-2SFP
PCIe x4 1G Dual-Port Server Adapter (Net-swift WX1860 Based)



Key Features：

- Equipped with 2 ports, each port rate up to 1Gb/s;
- Support for packets up to 9.5 KB (Jumbo Frames);
- PCI Express* v 2.0 with 5.0 Gt/s and Support for x4 links widths

Overview

LRES2027PF-2SFP is a PCIe x4 1G Dual-Port Server Adapter developed by Linkreal Co., Ltd. based on the Net-swift WX1860 main control solution, which is also compatible with PCIe x8 and x16 and backward compatible with PCIe v1.1.

Linkreal Co., Ltd. launched the LRES2027PF-2SFP with independent intellectual property rights, with a fully integrated Gigabit Ethernet media access control (MAC) module. It is widely used in fiber-to-the-desktop network communication, and can also be used in PC servers, embedded and other network equipment.

The main controller used by the optical fiber network card has China's independent intellectual property rights and independent controllability, which is of great significance for breaking the monopoly of some manufacturers and ensuring information security.

The Net-swift WX1860 controller used in the LRES2027PF-2SFP is a master control product independently developed and produced in China, which is independent and controllable. Indicators such as data transmission, data network bandwidth, average transmission delay, and actual packet transmission rate have reached the industry level.

Specifications

Model	LRES2027PF-2SFP	
Controller	Net-swift WX1860	
Cable medium	Optical fiber	
Fiber Type	1000Base-SX、1000Base-LX、1000Base-Cu	
Bracket Height	Low Profile & Full Height	
Min Power(w)	2.28W	
Max Power(w)	2.496W	
Connector	2*1G SFP	
Bus Type	PCIe v2.0 (5GT/s) x4	
Data rate per port	1Gbps	
Power Supply	PCIe	
ESD	Contact discharge	±8KV
Protocol Support	IEEE 802.1Qbg IEEE 802.1Qbb IEEE 802.1Qaz IEEE 802.1as IEEE 802.1Qau	
PXE/UEFI	Yes	
1588PTP	Yes	
WoL	No	
SR-IOV	Yes	
Jumbo Frames	9.5KB	
System Support	* Windows7/8/8.1/10/11 * Windows Server 2008 R2 * Windows Server 2012 R2 * Windows Server 2016 R2 * Windows Server 2019 R2 * RHEL/Centos 7.3/7.6/7.9/8.2/8.3 * Deepin 20.6 * Ubuntu 18.04.5/16.04.3 * Ubuntu 20.04.3 * SUSE 12.5/15	* NewStartOS3.2.2/5.0.5 * Asianux V 7.0 * Galaxy Unicorn v10 * NeoKylin7.6 * Zhongke Fangde desktop operating system 4.0 * Zhongke Fangde server operating system * UOS 20 * OpenKylin 0.7.5

LED Indicators

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

Environment Features

Operating Temperature	0 ℃ to 55 ℃ (32 ℉ to 131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)

Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC，CE，RoHS

Physical properties

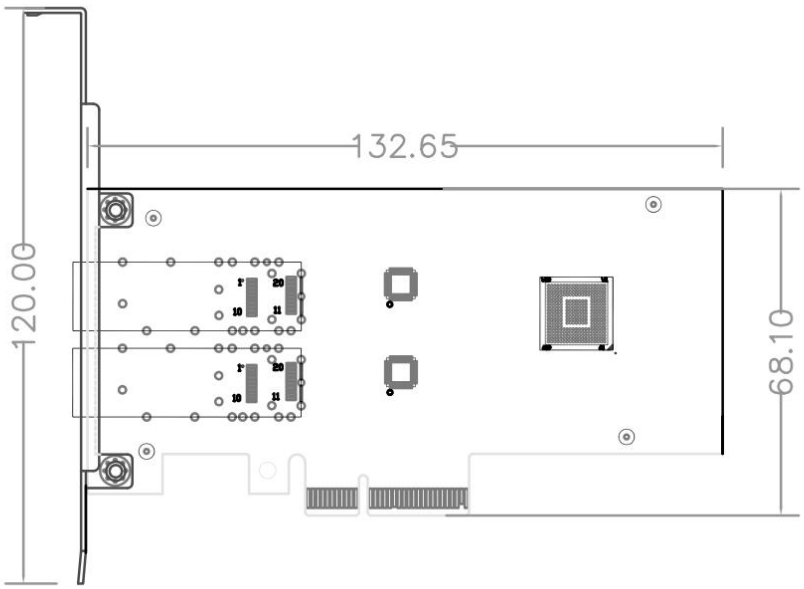
PCB size(unit:mm)	132.65*68.1*1.6
Package size (unit: mm)	222*147*28

Packing List

Bracket	Full bracket(installed) and Low Profile
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Blister Box

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

Dimensions (unit: mm)



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