

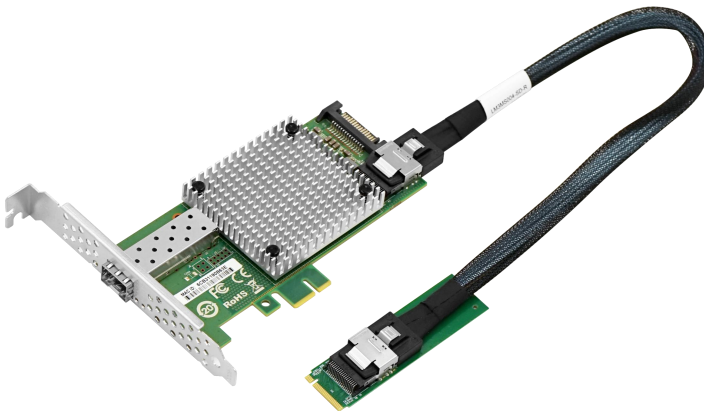
LRES2221PF-SFP+

10G Single-port to SFF-8087/M.2 Ethernet Network Adapter (Intel 82599 Based)



Key Features:

- Support PCIe Gen 2.0x4;
- Equipped with 1 10G SFP+ interface, supporting data transmission rates of 1Gbps and 10Gbps;
- Supports jumbo data frames up to 15.5KB;
- Support PXE and UEFI functions.



Overview

LRES2221PF-SFP+ is a 10G Single-port to SFF-8087/M.2 Ethernet Network Adapter developed based on the Intel 82599 main control solution. It is designed to meet the needs of modern network connections, providing reliable, high-speed network connections and enhancing compatibility of network devices. By converting the M.2 interface into a single-port 10G optical fiber Ethernet, it does not occupy the motherboard PCIe slot, providing users with great flexibility and expansion space. The adapter supports PXE and UEFI functions, allowing users to remotely install operating systems and centrally manage and maintain equipment, greatly improving the efficiency of IT management; while the UEFI function provides a faster and safer startup experience and improves system performance. At the same time, the adapter also supports SR-IOV, providing virtual machines with I/O performance close to physical performance to meet the high-performance requirements of virtualized environments. In addition, LRES2221PF-SFP+ supports jumbo frame transmission, up to 15.5KB, further improving data transmission efficiency. To sum up, LRES2221PF-SFP+ is a network adapter with excellent performance and comprehensive functions that can meet the needs of various complex network environments. It is an ideal choice for enterprise data centers, high-performance computing clusters and individual users.

Specifications

Model	LRES2221PF-SFP+	
Controller	Intel 82599	
Cable medium	Optical fiber	
Fiber Type	OM2	5M (10Gbps)
Bracket Height	Full height & Low-Profile	
Connector	1 * 10G SFP+	
Bus Type	PCIe v2.0 (5.0GT/s) x4; M.2 interface	
Data rate per port	1G/10Gbps	
Power Supply	15PIN SATA power socket	
ESD contact discharge	±8kV	
Lightning surge	±4kV	
Protocol Support	IEEE 802.3ae 10 Gigabit Ethernet over fiber IEEE 802.3x Full Duplex and flow control IEEE 802.1AS IEEE 802.1Q VLAN IEEE 802.3AD IEEE 802.3az - Energy Efficient Ethernet (EEE)	
PXE	Yes	
WoL	No	
iSCSI	Yes	
IEEE 1588	No	
UEFI	Yes	
SR-IOV	Yes	
Jumbo Frames	15.5KB	
System Support	* Windows 7 /8 /8.1 /10 /11 * Windows Server 2008 /2012 /2016 * Windows Server 2019 /2022 * Deepin 15.11/ 20 /20.6 /20.9 * VMware ESXi 6.5 /6.7 /7.0 * Galaxy Unicorn V10 SP1 /V10 * NeoKylin 7.6 * RHEL/CentOS 7.3 /7.6 /7.9 * RHEL/CentOS 8.2 /8.3 * Ubuntu 16.04.3 /18.04.5 * Ubuntu /20.04.1 /22.04.2 * SUSE 12.5 /15.4 * FreeBSD 12.2 /13.2	* ZTE New Fulcrum 5.0.5 /3.2.2 * Tongxin UOS 20 * Asianux Server V7.0 * Zhongke Fangde desktop operating system 4.0 * Zhongke Fangde server operating system * Emind OS * Openkylin 0.7.5 * Mikrotik * iKuai router * Hi Spider Router

LED Indicators

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

Environment Features

Operating Temperature	0℃ to 55℃ (32°F to 131°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC, CE, RoHS

Physical properties

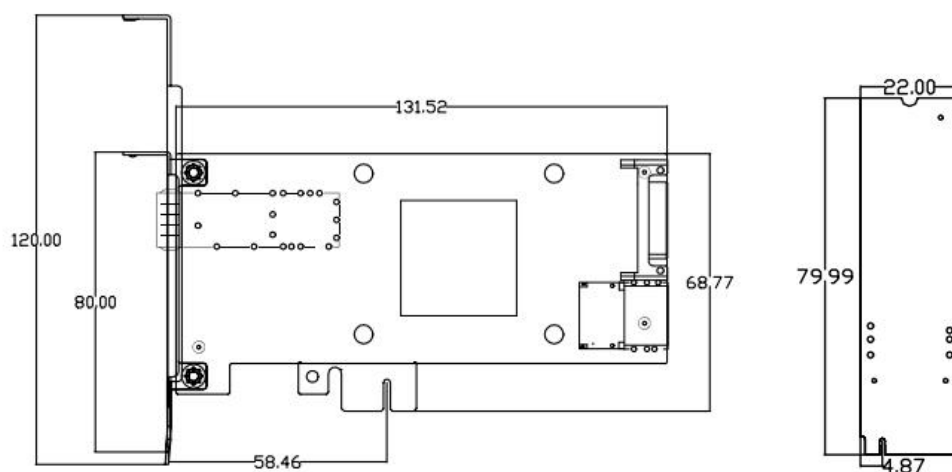
PCB size(unit:mm)	142.27*68.66*1.6
Package size (unit: mm)	222*147*28
SFF8087 connecting cable (unit: mm)	350

Packing List

Bracket	Full height(installed) and Low-Profile
Internet Network Adapter	*1
Adapter board	*1
SFF8087 connecting cable	*1
M.2 screw	*1
Packaging	Carton + Blister box + PE bag + 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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