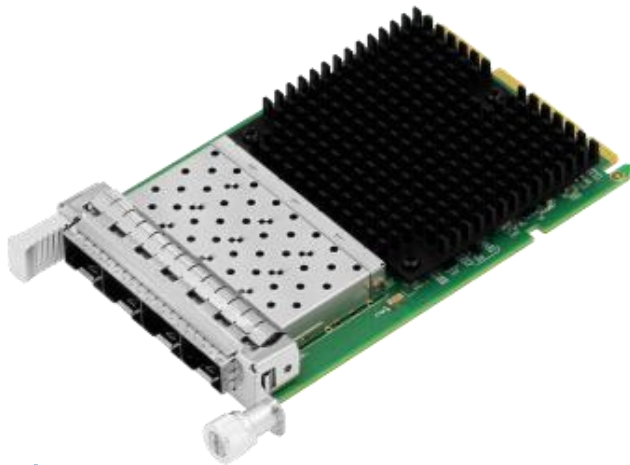


LRES3007PF-OCP

OCP3.0 Quad-port 10G Ethernet Network Adapter



Key Features:

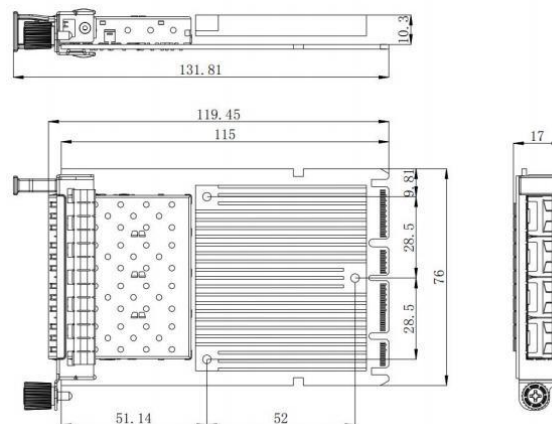
- PCI Express 3.0 x8
- Quad-port SFP+ interfaces
- Support 10/1Gbps data transmission rate
- Support SR-IOV
- Support NCSI
- Support SMBus monitor temperature
- Support ScanChain
- Support Jumbo frames 9.7K

Overview

LRES3007PF-OCP is a quad-port 10 Gigabit Ethernet OCP 3.0 network adapter independently developed by Linkreal Co., Ltd., based on the Intel XL710 controller. Equipped with four SFP+ ports, it supports high-speed optical transmission and is fully compliant with the OCP 3.0 specification. The adapter adopts a compact small form factor (SFF) design, making it well-suited for high-density data center deployments.

The LRES3007PF-OCP supports hot-swapping and is compatible with a wide range of 10G optical transceivers, DAC, and AOC cables. It utilizes a PCIe Gen3 x8 host interface to deliver excellent throughput and enhanced network scalability. Advanced networking features such as SR-IOV, VXLAN/ NVGRE hardware offloading, and Data Center Bridging (DCB) are supported, helping to optimize performance in virtualized and multi-tenant environments.

This adapter is ideal for data centers, cloud computing, and enterprise server applications that demand high bandwidth and low latency.



Dimensions(unit:mm)

Product Specifications	
Model	LRES3007PF-OCF
Controller	Intel XL710
Adapter Type	OCF 3.0
Form Factor	SFF
Host Connector	PCIe3.0 x8
Connectors	SFP+
Port	Quad
Link Speed	10/1Gbps
Protocol Support	IEEE 802.3ae IEEE 802.3ad IEEE 802.3x IEEE 802.1Q IEEE 802.1Qaz IEEE 802.1p IEEE 802.1Qbb IEEE 1588
Functional Support	
PXE/UEFI	Yes
NCSI	Yes
WoL	Yes
SR-IOV	Yes
1588 PTP	Yes
SMbus	Yes
FRU	Yes
ScanChain	Yes
Jumbo Frames	9..7KB

Power Consumption		
DAC	*	
Optical Transceiver	7.56W (Max)	
LED Indicators		
LED Type	Color/Behavior	Note
Link/Activity	Off	No link
	Green	Link
	Green(blink)	Link up (traffic flowing)
Supported Physical Layer Interfaces		
DACs		SFP+10G bE DAC
Optics and AOCs		10GBASE-SR/ LR
Supported Systems		
OS	• Windows • Window Server • Deepin • RHEL/Cent OS • Ubuntu • Fusion OS • Kylin OS • Debian • VMware ESXi • NewStart OS • SUSE • Fangde OS • Open Euler • YMOS • Fangde OS • Rockey	
Technical Specifications		
Operating Temperature	-10°C to 60°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	115*76mm
Package Size	179*150*30mm
Packing List	
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Anti-static bag

*This document contains information about products, services, and/or processes under development. All information provided here is subject to change without prior notice and the actual product shall prevail.

