

LRES3023PT-OCP

OCP3.0 Quad-port 1G Ethernet Network Adapter V3



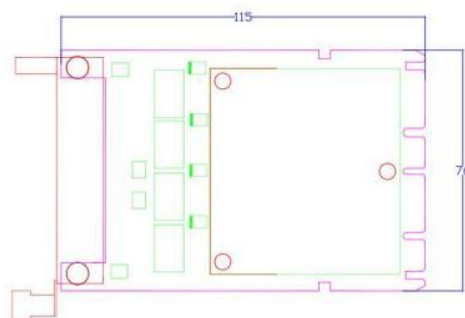
Key Features:

- PCI Express 2.0 x4
- Quad * RJ45 interfaces
- Supports 1Gbps/100Mbps/10Mbps
- Support SR-IOV
- Support NCSI
- Support SMBus monitor temperature
- Support ScanChain
- Support Jumbo frames 9.2K

Overview

LRES3023PT-OCP is an OCP3.0 SFF Quad-port copper Gigabit Ethernet network adapter independently developed by Linkreal Co., Ltd. based on Intel I350 master solution. The adapter is mainly designed for servers and their application equipment. LRES3023PT-OCP is able to achieve fault tolerance and redundancy by bundling and aggregating multiple ports into a group to extend network bandwidth and guarantee network performance, and can automatically detect and route communications from the faulty ports to other members of the same group in real time for uninterrupted high-performance communications.

The LRES3023PT-OCP adopts the SFF standard architecture of OCP3.0, which is developed on Intel Gigabit Ethernet MAC+PHY (Media Access Controller and Physical Interface Transceiver) controllers, to support the new current and long term server requirements while adapting to the current network. It supports NCSI and Scan Chain functions and has excellent ESD protection.



Dimensions(unit:mm)

Product Specifications	
Model	LRES3023PT-OCF
Controller	Intel I350
Adapter Type	OCF 3.0
Form Factor	SFF
Host Connector	PCIe2.0 x4
Connectors	RJ45
Port	Quad
Link Speed	10M/100M/1Gbps
Protocol Support	IEEE 802.3 IEEE 802.3u IEEE 802.3ab
Functional Support	
PXE/UEFI	Yes
NCSI	Yes
WoL	Yes
SR-IOV	Yes
1588 PTP	Yes
SMbus	Yes
FRU	Yes
ScanChain	Yes
Hot Swap	Yes
Jumbo Frames	9..2KB

Power Consumption		
4.2W(Max)		
LED Indicators		
LED Type	Color/Behavior	Note
Speed	Off	Link at lower speed
	Amber	Link at 1Gbps
Link/Act	Off	No link
	Green	Link
	Green (blink)	Link up(traffic flowing)
Supported Physical Layer Interfaces		
10BASE-T	100BASE-T	1000BASE-T
Supported Systems		
OS	• Windows • Windows Server • RHEL/CentOS • Ubuntu • Fusion OS • Kylin OS • Debian • SUSE • Deepin • VMware ESXi • NewStart OS • UOS • Fangde OS • OpenEuler • iKuai Router OS • FreeBSD	
Technical Specifications		
Operating Temperature	0℃ to 60℃	
Storage Temperature	-40℃ to 70℃	
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃	
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.

