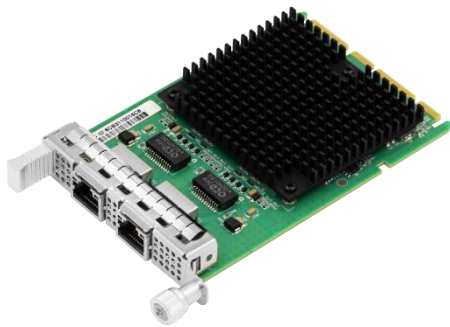


LRES3041PT-OCP

OCP3.0 Dual-port 1G Ethernet Network Adapter



Key Features:

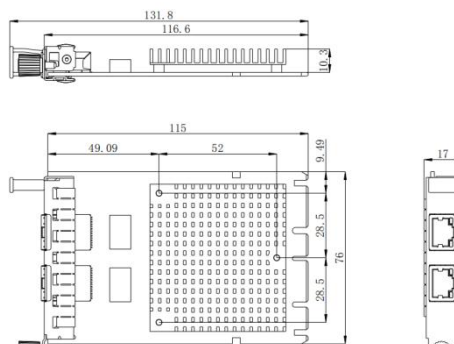
- PCI Express 2.0 x4
- Dual-port RJ45 interfaces
- Support 1000/100/10Mbps
- Support SR-IOV
- Support NCSI
- Support SMBus monitor temperature
- Support ScanChain
- Support Jumbo frames 9.2K

Overview

LRES3041PT-OCP is a dual-port Gigabit Ethernet network adapter independently developed by Linkreal Co., Ltd., based on the Intel® I350 Ethernet controller. It is equipped with two RJ45 copper ports supporting 10/100/1000 Mbps adaptive speeds, delivering excellent compatibility, stability, and energy efficiency to meet the demanding reliability standards of enterprise networks.

The adapter follows the standard OCP 3.0 Small Form Factor (SFF) design and complies fully with the mechanical and electrical specifications of the OCP NIC 3.0 specification. It connects via a PCI Express Gen2 x4 host interface and supports Intel native drivers across mainstream operating systems, ensuring seamless system integration.

LRES3041PT-OCP supports a broad range of advanced networking features such as virtualization, traffic shaping, link aggregation (LACP), VLAN tagging, and PXE boot. It is an ideal solution for applications in cloud computing, virtualization, edge computing, and enterprise servers.



Dimensions(unit:mm)

Product Specifications	
Model	LRES3041PT-OCF
Controller	Intel I350
Adapter Type	OCF 3.0
Form Factor	SFF
Host Connector	PCIe2.0 x4
Connectors	RJ45
Port	Dual
Link Speed	1000/100/10Mbps
Protocol Support	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x IEEE 802.1Q IEEE 802.1p IEEE 802.3az IEEE 1588v2
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		
2.22W (Max)		
LED Indicators		
LED Type	Color/Behavior	Note
Speed	Off	Link at lower speed
	Green	Link at 1Gbps
Link/Active	Off	No Link
	Amber	Link
	Amber(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	-10℃ 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.

