

LRES2051PT

PCIe x4 10G Single-port Desktop Adapter (Marvell AQC113 Based)

FC CE RoHS

Product Features

- Improves CPU utilization and network performance;
- Support low power consumption mode;
- Support six network rates ;
- Support PCIe v3.0 x4.

Product Description

LRES2051PT is a PCIe3.0 x4 single electrical port 10G Ethernet network adapter developed by Linkreal Co., Ltd. based on the Marvell AQC113 master control solution. This adapter is compatible with PCIe x8 and x16 channels at the same time. It is a high-performance six-rate adapter that can provide power and space efficient connections for client systems. The universal interface of PCIe v3.0 x4 makes this product more flexible.

LRES2051PT is compatible with IEEE 802.3an & IEEE 802.3 bz standards and can realize 10GBASE-T, 5GBASE-T, 2.5GBASE-T, 1000BASE-T, 100BASE-TX and 10BASE-T transmission on 10-meter twisted pair wiring. The product has excellent ESD anti-static performance and supports jumbo data frames up to 16 KB, which can give full play to the Ethernet performance of the network adapter and improve data transmission efficiency.

Technical Specifications

Model	LRES2051PT
Controller	Marvell AQC113
Cable medium	Copper
Copper Cable Type	10GBASE-T/5GBASE-T/2.5GBASE-T/1000BASE-T/100BASE-T/ 10BaseT
Bracket Height	Low Profile & Full Height
Power (min)	1.2177 W
Power (max)	2.805W
Bus Interface	PCIe v3.0 (8GT/s) x4; Compatible x8 x16
Data rate per port	10G /5G /2.5G /1G /100M /10M
Connector	1*10G RJ45
Power Supply	PCIe
Operating System Support	* Windows 10 /11 * Windows Server 2022 * RHEL/Centos7.3 /7.6 /7.9 /8.2 /8.3 * Deepin 15.11 /20 /20.6 * Ubuntu 16.04.3 /18.04.5 * ZTE New Fulcrum 3.2.2 /5.0.5 * Asianux Server v7.0 * NeoKylin 7.6 * Zhongke Fangde desktop operating system 4.0 * Zhongke Fangde server operating system * Tongxin UOS 20 * Emind OS * OpenKylin 0.7.5 * iKuai router
PXE	Yes
WoL	Yes
UEFI	Yes
Jumbo Frames	Yes
SR-IOV	No
ESD_Contact discharge	±8KV
ESD_Air discharge	±15KV
Lightning surge test	±1KV common mode
Protocol Support	IEEE 802.3an 10 Gbit/s Ethernet over unshielded twisted pair IEEE 802.3bz 2.5/5GBASE-T IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.1Q VLANs IEEE 802.3x Full Duplex and flow control IEEE 802.3az - Energy Efficient Ethernet (EEE)

LED indication

10M/100M/1G/2.5G/5G	Connection Status	(ACT) Orange Link + (LINK) Green Link
	Transfer status	(ACT) Orange Link + (LINK) Green Blink
10G	Connection Status	(ACT) Green Link + (LINK) Green Link
	Transfer status	(ACT) Green Link + (LINK) Green Blink

Working parameters

Operating Temperature	0℃ to 70℃ (-32 ℉ to 158 ℉)
Storage Temperature	-55 ℃ to 105 ℃ (-67 ℉ to 221 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical properties

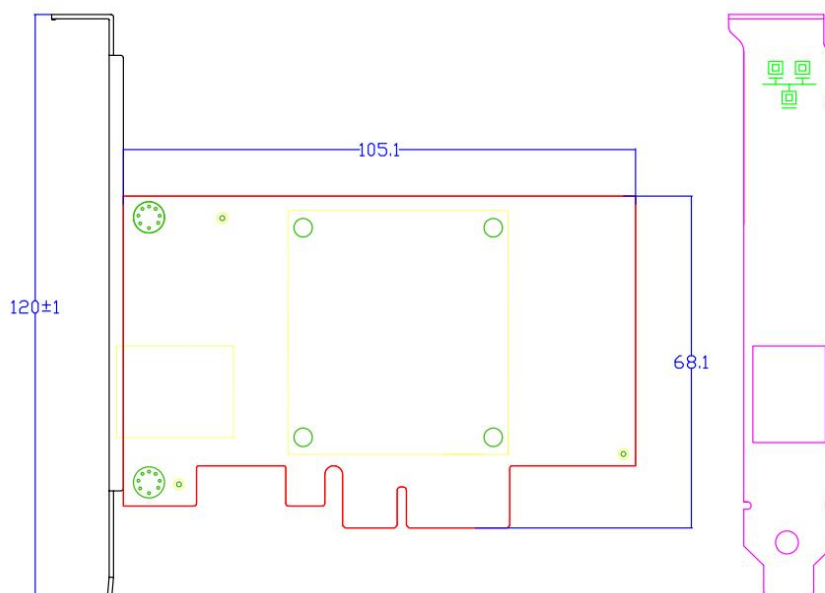
PCB size(unit:mm)	105.1*68.1*1.6
Package size (unit: mm)	179*150*30

Packing list

Baffle specifications	Full bracket(installed) and Low Profile
Network card	*1
Product warranty card	*1
Packing	Carton and Blister box

* Product appearance and specifications are subject to change without notice.

Dimensions



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