LRES1053PT
PCIe3.0 x8 Quad-port 10G Vision Frame Grabber Card (Aquantia AQtion AQC113 Based)

Key Features：

- Supports 6 network rates, including 10M/100M/1G/2.5G/5G/10Gbps;
- Supports PXE and UEFI functions;
- Support for packets up to 16 KB (Jumbo Frames).

Overview

LRES1053PT is a PCIe3.0 x8 quad-port 10G Ethernet network adapter developed by Linkreal Co., Ltd. based on Aquantia AQtion AQC113 host controller solution, which is also compatible with PCIe x16 slots, and is a high-performance 4-port adapter. It is a high performance 4-port adapter. It is mainly used in industrial field vision inspection equipment, vision field clients, and fast mobile Ethernet data transmission equipment. The adapter has outstanding performance in data transmission, network bandwidth, average transmission delay, and actual packet transmission rate. It can connect four 10GigE industrial cameras at the same time and work stably, which meets the use of regular industrial control machine installation.

Specifications

Model	LRES1053PT	
Controller	Aquantia AQtion AQC113	
Cable medium	Copper	
Fiber Type	10GBASE-T/5GBASE-T/2.5GBASE-T/1000BASE-T100BASE-TX/10BASE-Te.	
Bracket Height	Full Height	
Min Power(w)	1.2	
Max Power(w)	19.38	
Connector	4*RJ45	
Bus Type	PCIe v3.0 (8GT/s) x8	
Data rate per port	10M/100M/1G/2.5G/5G/10Gbps	
Power Supply	PCIe	
Protocol Support	IEEE 802.3ae 10 Gigabit Ethernet over fiber IEEE 802.1Q VLAN IEEE 802.3AD IEEE IEEE 802.1AS IEEE P802.1Qaz IEEE Std 802.1Qau IEEE P802.1Qbb	
PXE	Yes	
WoL	No	
UEFI	Yes	
SR-IOV	No	
1588 PTP	Yes	
Jumbo Frames	16KB	
System Support	* Windows 10(21h2 and newer) * Windows 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 * Ubuntu 20.04.1 * NewStartOS 3.2.2 * openKylin 0.7.5	* KylinOS V10 SP1 * NeoKylin7.6 * Zhongke Fangde Desktop Operating System 4.0 * Zhongke Fangde Server Operating System * UOS 20 * YMOS

LED Indicators

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

Environment Features

Operating Temperature	0℃ to 50℃ (32 ℉ to 122 ℉)
Storage Temperature	-40 ℃ to 85 ℃ (-40℉ to 185 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃

Certification	FCC，CE，RoHS

Physical properties

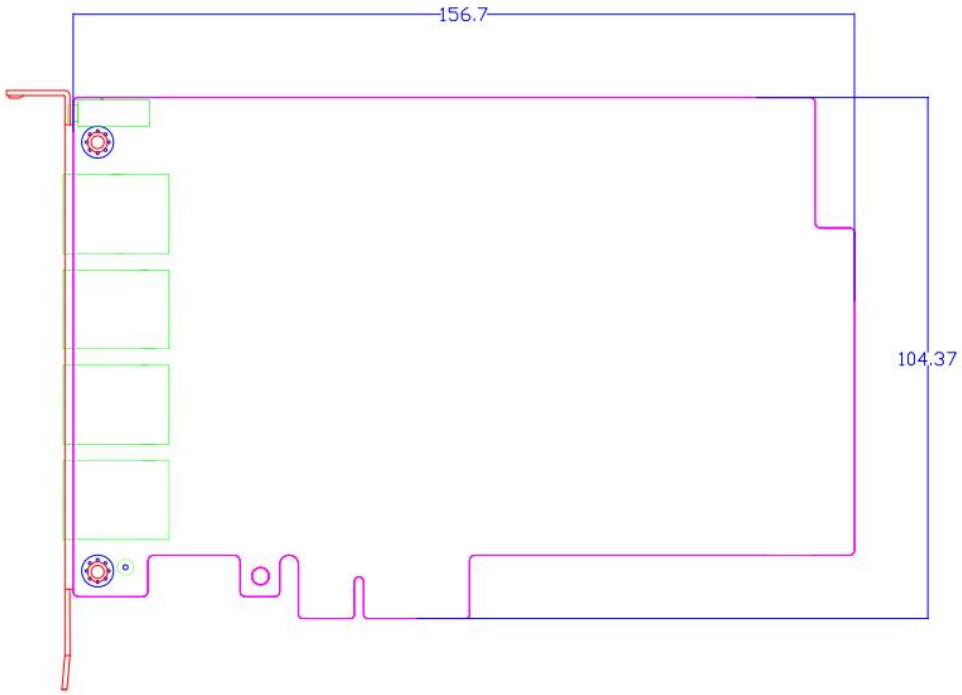
PCB size(unit:mm)	104.37*156.7*1.6
Package size (unit: mm)	250*170*32

Packing List

Bracket	Full bracket(installed)
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Blister Box

PS: The depictions provided of our products are not to scale and are intended for illustrative purposes only.

Dimensions(unit: mm)



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