

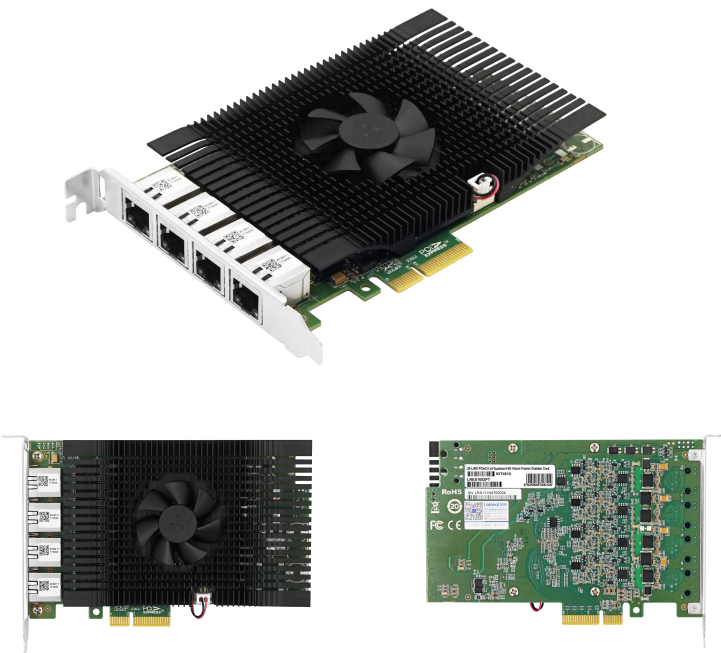
LRES1052PT

PCIe3.0 x4 Quad-port 5G Vision Framer Grabber Card (Aquantia AQtion AQC111C Based)

FC CE RoHS

Product Features

- Supports network rate adaptation of 5Gbps, 2.5Gbps, 1Gbps, and 100Mbps;
- Support PCIe 3.0 (8GT/s);
- Integrate PCIe, MAC and PHY to minimize power consumption;
- Supports packets up to 16KB (jumbo frames);
- Supports IPv4/v6, IPv6/TCP, IPv6/UDP checksum offloading



Product Description

LRES1052PT is a PCIe3.0 x4 Quad-port 5G Vision Framer Grabber Card independently developed by Linkreal Co., Ltd. based on the Aquantia AQtion AQC111C main controller solution. It is also compatible with PCIe x8 and x16 slots. It is a high-performance 4 electrical port adapter. Mainly used in industrial field visual inspection equipment, visual field clients, fast mobile Ethernet data transmission equipment, etc. This image capture card performs outstandingly in data transmission, network bandwidth, average transmission delay, actual small packet transmission rate and other indicators. It can be connected to four 5GigE industrial cameras at the same time to work stably and meet the installation and use of conventional industrial computers.

Technical Specifications

Model	LRES1052PT	
Controller	Aquantia AQtion AQC111C	
Cable medium	Copper	
Fiber Type	CAT-5	50M (5Gbps); 100M (5Gbps)
	CAT-6	50M (5Gbps); 100M (5Gbps)
	CAT-6e	50M (5Gbps); 100M (5Gbps)
	CAT-7	100M (5Gbps)
Bracket Height	Full Height	
Power (min)	4.44W	
Power (max)	20.76W	
Bus Interface	PCIe v3.0 (8.0GT/s) x4; compatible x8 x16	
Data rate per port	100Mbps;1Gbps;2.5Gbps;5Gbps	
Connector	4* RJ45	
ESD	Contact discharge	±6KV
	Air discharge	±8KV
Lightning surge test	±4kV common mode	
Power Supply	PCIe	
Operating System Support	* Windows 10 /11 * Windows Server 2016 /2022 * Deepin 15.11 /20 /20.6 /20.9 * VMware ESXi 6.7 /7.0 * Galaxy Unicorn V10 SP1 /V10 * NeoKylin 7.6 * RHEL/CentOS 7.6 /7.9 /8.3 * Ubuntu 16.04.3 /18.04.5 * Ubuntu 20.04.1 /22.04.2 * ZTE New Fulcrum 5.0.5 /3.2.2 * Tongxin UOS 20 * Asianux Server V7.0 * Zhongke Fangde desktop operating system 4.0 * Zhongke Fangde server operating system * Emind OS * iKuai router	
PXE	Yes	
MDI/MDI-X	Yes	
WoL	No	
Jumbo Frames	Yes	
IEEE 1588	No	
SR-IOV	No	
Jumbo Frame(max)	16KB	
Protocol Support	IEEE 802.3bz 10GBASE-T/5GBASE-T/2.5GBASE-T/1000BASE-T/100BASE-T/ 10BaseT Gigabit Ethernet	

LED indication

100Mbps/1Gbps/2.5Gbps	LINK	Red Link + Green Link
	ACT	Red Link+ Green Blink
5Gbps	LINK	Green Link + Green Link
	ACT	Green Link + Green Blink

Working parameters

Operating Temperature	0℃ to 70℃ (32 ℉ to 158 ℉)
Storage Temperature	-40 ℃ to 85 ℃ (-40 ℉ to 185 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical properties

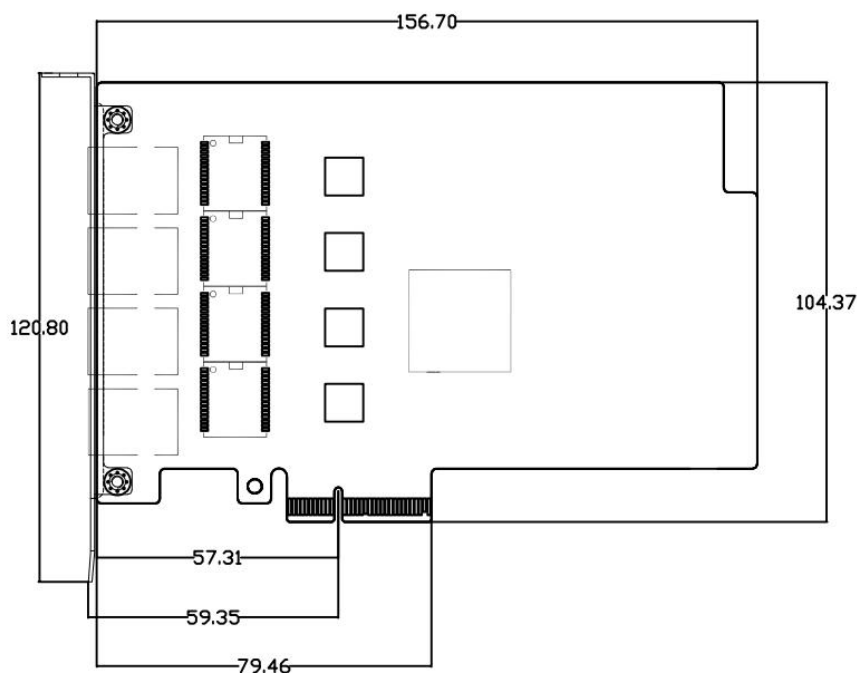
PCB size(unit:mm)	156.7 x 104.37 x 1.6
Package size (unit: mm)	250 x 170 x 32

Packing list

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

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

Dimensions



Linkreal Co., Ltd.

14F T10 Bldg., Sino-Ocean New World, Longcheng
Street, Longgang District Shenzhen China 518172

☎ (+86)755-84507909

✉ service@lr-link.com

🌐 www.lr-link.com

