

LRES1056PT

PCIe x4 Quad-port 2.5G Vision Frame Grabber Card(Intel I226 Based)

FC CE RoHS

Product Features

- Supports rate adaptation of 2.5Gbps, 1Gbps, 100Mbps and 10Mbps;
- Supports PCIe 2.0 (5GT/s);
- Transmission distance up to 100 meters;
- Supports packets up to 9.2KB (jumbo frames)



Product Description

LRES1056PT is a PCIe x4 quad-port 2.5G vision frame grabber card independently developed by Linkreal Co., Ltd. based on the Intel I226 main controller solution. It is also compatible with PCIe x8 and x16 slots. It supports data transmission speeds up to 2.5Gbps and is equipped with four electrical ports, which can connect multiple devices at the same time to improve the efficiency of data collection.. In addition, LRES1056PT has outstanding performance in data transmission, network bandwidth, average transmission delay, actual small packet transmission rate and other indicators. It can be widely used in industrial visual inspection, intelligent monitoring systems, medical imaging diagnosis and other fields. Provide users with high-quality image data collection solutions.

Technical Specifications

Model	LRES1056PT	
Controller	Intel I226	
Cable medium	Copper	
Fiber Type	CAT-5	50M (100Mbps); 100M (100Mbps); 150M (100Mbps)
	CAT-6	50M (100Mbps); 100M (100Mbps); 150M (100Mbps)
	CAT-6e	50M (2.5Gbps); 100M (2.5Gbps)
	CAT-7	50M (2.5Gbps); 100M (2.5Gbps)
Bracket Height	Full Height	
Power (min)	5.88W	
Power (max)	9.36 W	
Bus Interface	PCIe 2.0 (5.0GT/s) x1; structure x4, compatible with x8 x16	
Data rate per port	10Mbps;100Mbps;1Gbps;2.5Gbps	
Connector	4*2.5G RJ45	
Power Supply	PCIe	
ESD	Contact discharge	±8kV
Lightning surge test	±2kV common mode	
Operating System Support	* Windows 11 * Deepin 20/20.6/20.9 * RHEL/CentOS 8.2 * Ubuntu 20.04.1/22.04.2 * SUSE 12.5/15.4 * FreeBSD 13.2 * Mikrotik * iKuai router	
PXE	No	
UEFI	Yes	
MDI/MDI-X	Yes	
WoL	Yes	
Jumbo Frames	Yes	
SR-IOV	No	
1588 PTP	Yes	
Jumbo Frame(max)	9.2KB	
RSS	4	
Protocol Support	IEEE 802.3x ; IEEE 802.3x	

LED indication

2.5Gbps	Connection Status	Green Link + Green Link
	Transfer status	Green Blink + Green Link
1Gbps	Connection Status	Green Link + Orange Link
	Transfer status	Green Blink + Orange Link
100Mbps/10Mbps	Connection Status	Green Link
	Transfer status	Green Blink

Working parameters

Operating Temperature	0℃ to 55℃ (32 ℉ to 131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical properties

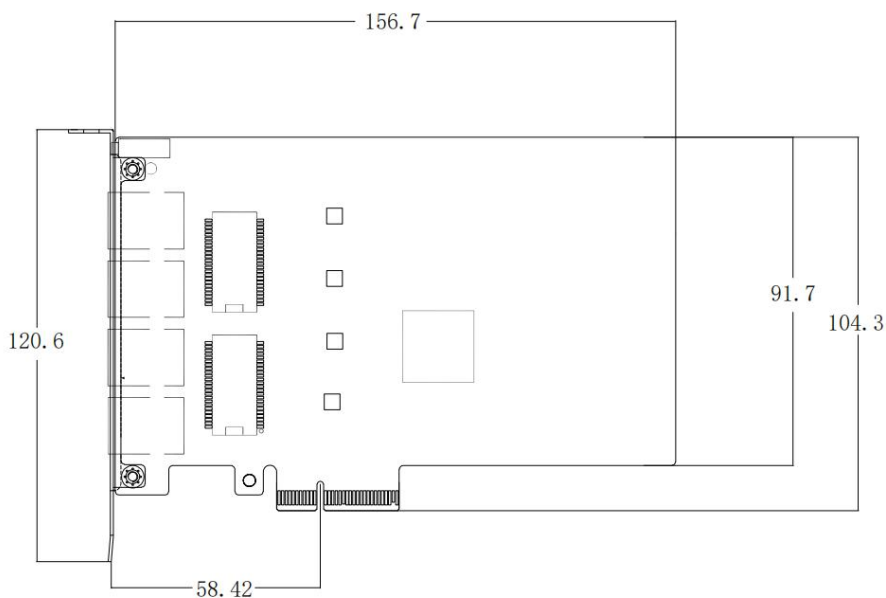
PCB size(unit:mm)	156.7*104.37*1.6
Package size (unit: mm)	222*147*28

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 (unit: mm)



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