

LRES2680PT-POE

PCIe X4 Quad-port PoE 5G Vision Frame Grabber Card

FC CE RoHS



Key Features:

- Compatible with PCI Express Gen3 x4
- four independent 5Gbps Ethernet interfaces
- Up to 30W power output per port
- Programmable POE Management Tool
- POE protect by recoverable eFuse

Overview

LRES2680PT-POE is a high-performance quad-port PoE 5G vision frame grabber card developed by Linkreal Co., Ltd., based on the Realtek RTL8126 controller. Each RJ45 port supports up to 5Gbps data rate and 30W PoE+ output, with a total power budget of 90W.

The card is compliant with IEEE 802.3at PoE+ standard and features a resettable electronic fuse for reliable PoE protection. PoE power can be controlled via both hardware (physical) and software switches, providing flexible power management and enhanced safety. PoE software utilities allow real-time monitoring of port status and simplify system maintenance.

Optimized for image acquisition applications, the card supports multi-queue parallel processing, traffic shaping, and advanced network management functions, making it suitable for machine vision, intelligent surveillance, industrial automation, and traffic monitoring systems requiring high bandwidth and stable network performance...

Specifications

Ethernet	
Controller	Realtek RTL8126
Host Connector	PCIe3.0 x4
Data rate	100Mbps/1Gbps/2.5Gbps/5Gbps
Number of Port	4
Connector	RJ45
Protocol Support	IEEE 802.3,IEEE 802.3u,IEEE 802.3bz,IEEE 802.3ab,IEEE 802.3x,IEEE 802.3at
OS Support	Windows Linux
Cable Requirements	CAT6, CAT6A or CAT7, up to 100M
Function Support	PXE
	Jumbo Frame
Protection	
ESD	8KV
Surge Protection	4KV
PoE	
Connection	4 pin ATX Power Jack
Input	12V _{DC} direct from PCIe slot 12V _{DC} ATX power jack input
POE+ output	Up to 30W power output per port UP to 90W total power output for four ports protect by recoverable eFuse
POE Control/Monitoring	PoE on/off control by Hardware switch Programmable POE Management Tool and power on/off control

LED Indicators

LED Type	Color/Behavior	Note
Link	Off	No Link
	Green	Link at 100Mbps
	Amber	Link at 1000Mbps
Activity	Off	No Activity
	Green(blink)	Link up(traffic flowing)

Technical Specifications

Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 70°C
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC,CE,RoHS

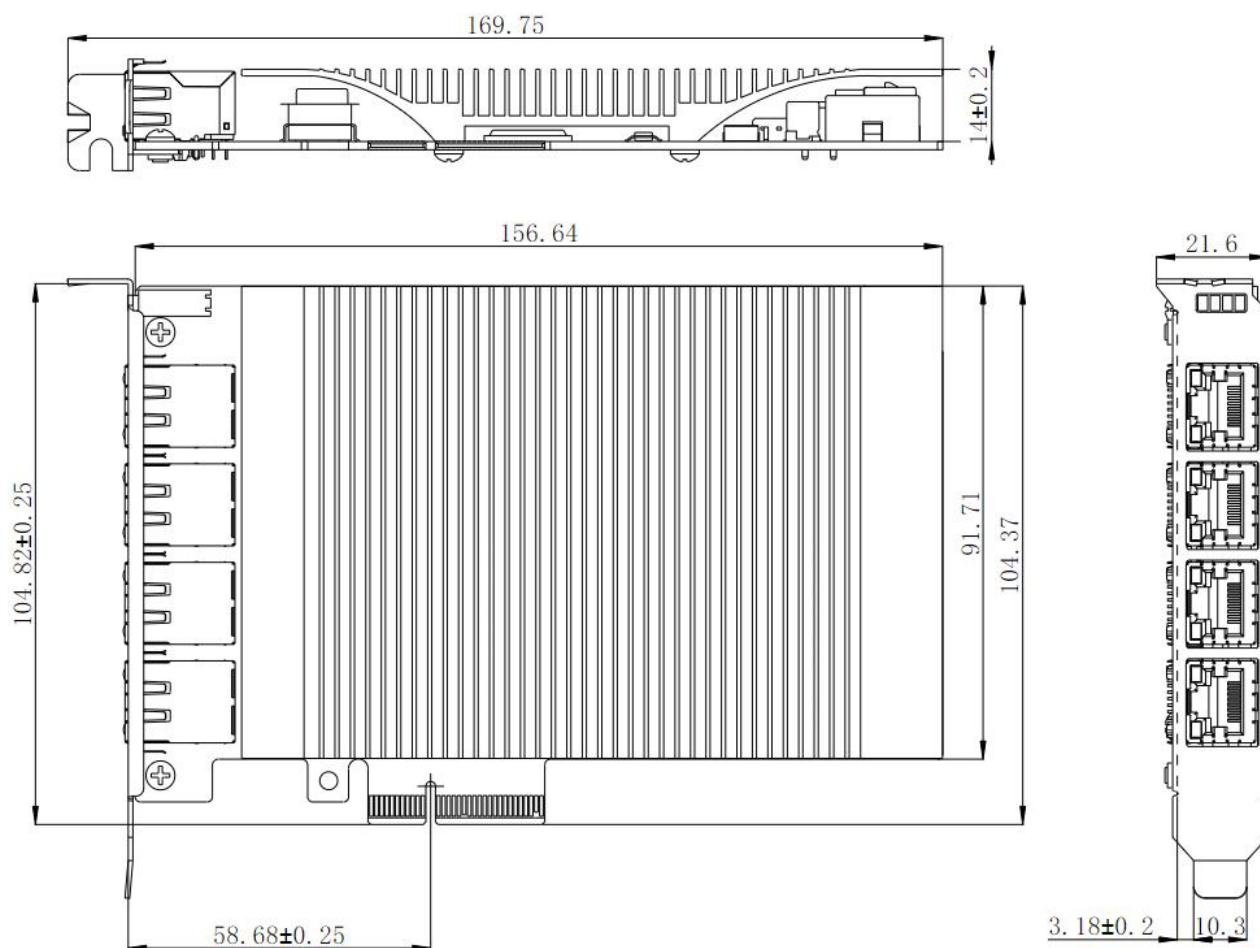
Physical Properties

PCB Size(Unit:mm)	156.7*104.4
Package Size (Unit: mm)	250*170*32

Packing List

Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Blister Box

Dimensions(unit:mm)



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