LR-LINK®
Professional NIC Solution Supplier

LRES2344PT-POE

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

FC CE RoHS

Key Features:

-PCI Express3.0 x4

-Four port RJ45 interface

-Supports 5G/2.5G/1G/100M/10Mbps

-Mega frames can reach a maximum of 16Kbytes

-Programmable PoE management tool

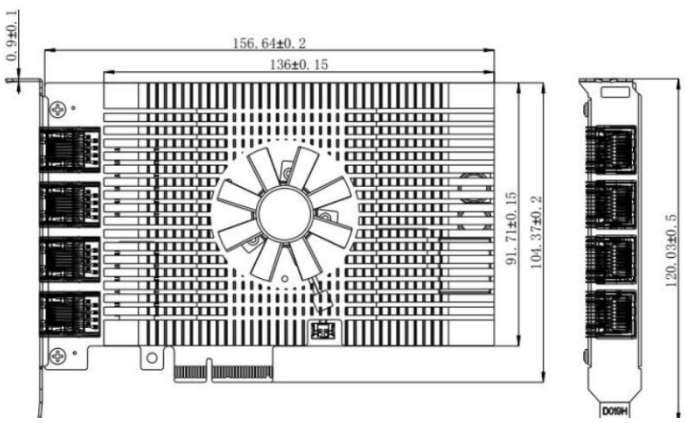
-Electrostatic protection up to 8KV

Overview

LRES2344PT-POE is a PCIe 3.0 x4 POE+four port 5G image acquisition card independently developed by Linkreal Co., Ltd. based on the Marvel AQC114 main controller solution.

LRES2344PT-POE supports the IEEE 802.3at PoE+ standard, with a maximum output of 30W PoE+per port and a total power supply of up to 90W. It can directly provide stable Ethernet power supply and data transmission for front-end devices such as industrial cameras, surveillance cameras, sensors, etc. Each PoE port adopts a recoverable electronic fuse protection mechanism with short-circuit and fault recovery protection functions, ensuring stable system operation and preventing damage to connected devices. Having POE software monitoring and management tools, it provides real-time monitoring of PoE status and PoE control switches, reducing maintenance costs.

LRES2344PT-POE can simultaneously connect 4 5GigE industrial cameras or other PoE powered devices, and is widely used in applications such as machine vision, intelligent monitoring, industrial automation, traffic detection, etc. that require high bandwidth, high stability, and centralized power supply.

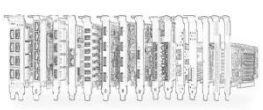


Dimensions (unit:mm)

Product Specifications	
Model	LRES2344PT-POE
Controller	Marvell AQC114
Adapter Type	PCIe NIC
Form Factor	FHHL
Host Connector	PCIe3.0 x4
Connectors	RJ45
Port	Quad
Link Speed	5G/2.5G/1G/100M/10Mbps
Protocol Support	IEEE 802.3bz IEEE 802.3an IEEE 802.3az IEEE 802.3af IEEE 802.3az IEEE 802.3bt IEEE 802.3at
Functional Support	
Jumbo Frames	16Kbytes
Power	
17.3W(Max)	
Protective capability	
ESD	±8KV
Surge protection	±4KV
POE function	
Connector	ATX 2 * 2 power connector
Input	12VDC direct power supply (PCIe slot) 12VDC ATX power connector input

POE output	Up to 30W power output per port Four ports with up to 90W power output Using recoverable electronic fuses for protection	
POE control	Control the on/off of POE power supply through hardware switches POE software management tool, POE software switch control	
LED Indicators		
LED Type	Color/Behavior	Note
Link	Amber	Link at lower speed
	Green	Link at 5Gbps
Activity	Green	No Activity
	Green(blink)	Linkup(traffic flowing)
PoE	Off	PoE disabled
	Green	PoE enabled
Supported Systems		
OS	Windows Windows Server Deepin Kylin OS Open Kylin OS RHEL/CentOS Ubuntu	NewStart OS UOS Yiming OS Fusion OS Fangde Server OS OpenEuler
Technical Specifications		
Operating Temperature	-10°C to 60°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	
Product Size	104.4*156.7mm
Package Size	250*170*32mm
Packing List	
Internet Network Adapter	*1
Product Warranty Card	*1
Baffle	High Baffle*1
Packaging	Carton + Blister Box

*This document contains information about products, services, and/or processes under development. All information provided here is subject to change without prior notice and the actual product shall prevail.

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