

AX92324

2-port 10GbE PoE PCI Express Card

Features

- Intel® Ethernet Controller X550-AT2, up to 10 Gbps data rate
- Supports 15.5KB Jumbo Frame and IEEE 1588
- Compliant with IEEE802.3at to deliver 25.5W per port
- PCI Express x4 compliant
- PoE power on/off via Power Manager software and API
- Operating temperature range from 0°C to 55°C



Introduction

The AX92324 is a dual-port 10GbE PEI Express card based on the Intel® Ethernet Controller X550-AT2. To meet the demands of the next-generation 10GbE cameras with high resolution and high-speed transmission over one single Ethernet cable, the AX92324 features the combination of 10GbE and IEEE802.3at compliant PoE capabilities. It also supports PoE power on/off and power budget settings via management software or API. The AX92324 is suitable for high bandwidth, high-speed transmission and low latency requirements for machine vision, intelligent surveillance and network applications.

Specifications

Ethernet Communications	
Ethernet Port	2 GbE LANs with Intel® X550-AT2 controller; supports 15.5KB jumbo frame and IEEE 1588
PoE Capability	IEEE 802.3at compliant; each port delivers up to 30W at 54 VDC
Data Rate	10Gbps/*5Gbps/*2.5Gbps/1Gbps/100Mbps (*Linux only)
Port Connector	8-pin RJ-45
Power Requirements	
Input Voltage	12 VDC or 24 VDC* (*24VDC ATX power connector is used for Axiomtek's system only)
Overload Protection	Yes
Connection	6-pin ATX power connector
Output PoE Power	Max. 20W w/ PCIe slot Max. 60W w/ 6-pin ATX power connector
Power Requirements	Power from PCIe slot (max. 20W PoE power output) 2.1A @ +12V 1.2A @ +3.3V Power from ATX power connector (max. 60W PoE power output) 6A @ +12V or 3A @ +24V 1.2A @ +3.3V (from PCIe slot)
General Specifications	
Bus Type	PCI Express x4
Operating Temperature	0°C to +55°C (+32°F to +131°F) (with air flow)
Storage Temperature	-20°C to +80°C (-4°F to +176°F)
Humidity	10% to 95%, non-condensing
Dimensions (W x D)	168 x 111 mm
OS Support	Windows® 7/10, Linux

Ordering Information

AX92324-PoE (P/N: E392324100)	2-port 10GbE PCIe card with PoE
AX92324-w/o PoE (P/N: E392324101)	2-port 10GbE PCIe card
PoE Power Cable (P/N: 59492320700E)	4P 3.0/6P 4.2, L=10 cm (only used with IPC962/IPC964/IPC974)