

PCIE-1674/2E-BE

4/2-ports PCI Express PoE+ GigE Vision Frame Grabber



FCC CE RoHS

Features

- Intel I350 1GbE Ethernet Controller
- PCI Express Gen2 x4 compliant
- Compliance with IEEE 802.3at-2009 (PoE+), up to 2 ports delivers up to 25.4 W of power via power jet supply and protect by recoverable eFuse
- Powered Device (PD) auto detection and classification
- Supports IEEE 802.3u Auto-Negotiation
- Supports Jumbo frame (9,500 byte) and link aggregation
- Supports IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at
- PoE on/off control by Hardware switch
- Protect shell reduce the risk of damage from system installation

Introduction

The PCIE-1672/74E-BE PoE+ (Power over Ethernet) PCIE series is PCI express Network Interface Card which supports 2 or 4 independent 10/100/1000BaseT(X) 802.3at (PoE+) Compliant Ethernet ports. With 12 V_{DC} AT/ATX power input, the PCIE-1672/PCIE-1674E-BE can boost then provides 54 V_{DC} PoE+ power output with total power budget 60W and maximum 25.4W per port. It allows power to be supplied to connected devices, such as PoE GigE cameras in machine vision inspection systems. The PCIE-1672/PCIE-1674E-BE is ideally designed for scientific research instrumentations, Medical Research Instrumentations, Machine Vision System, which can also benefit from a scalable Gigabit backbone construction with Power-over-Ethernet support.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at
- **Speed** 10/100/1000 Mbps
- **Num. of Ports** 2 or 4 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
- **Port Connector** 8-pin RJ45
- **Bus Interface** PCI Express Gen 2 x4 compliant

Protection

- **ESD** 8KV (air), 4KV (contact)
- **EFT** 2 KV
- **Surge Protection** 1 KV

Power Requirements

- **Input Voltage** 12 V_{DC} direct from PCIe slot, or AT/ATX System power input
- **Overload Current** Present

Protection

- **Connection** AT/ATX Power Jack
- **Output PoE Power** 12 V_{DC} direct from PCIe slot, or with optional 12 V_{DC} AT/ATX power jack input
54 V_{DC} PoE+ power output IEEE802.3af support, total power budget 60W with maximum 25.4W per port and protect by recoverable eFuse
- **Protective shell** Mechanical protective shell reduce the risk of damage from system installation

Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 5 ~ 95% RH

Mechanics

- **Dimensions (W x D)** 165 x 110 mm (5.8" x 3.9")

Ordering Information

- **PCIE-1674E-BE** 4-port PCI Express PoE+ GigE Vision Frame Grabber
- **PCIE-1672E-BE** 2-port PCI Express PoE+ GigE Vision Frame Grabber