

PCIE-1674/2E-BE

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



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 up to 25.4 watts at 48 V_{DC} power to maximum 2 PoE+ ports on each module. 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** 48 V_{DC} PoE Power output, total Max. 25.4W (1 port) (total Max. 60W (2 ports) with AT/ATX System power input) Protect by recoverable eFuse
- **Protective shell** Mechanical protective shell reduce the risk of damage from system installation.

Environment

- **Operating Temperature** 0 ~ 50°C (32 ~ 122°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