Introduction

The PCIE-1672PC/PCIE-1674PC PoE (Power over Ethernet) PCIE series is PCI express communication card which supports 2 or 4 independent 10/100/1000BaseT(X) 802.3af (PoE) compliant Ethernet ports. With 12 VDC AT/ATX power input, the PCIE-1672PC/PCIE-1674PC can boost then provides up to 15.4 watts at 48 VDC power to maximum 2 or 4 x PoE ports on each module. It allows power to be supplied to connected devices, such as PoE-based GigE cameras in machine vision inspection systems, without the need to use separate PoE injectors for those applications. With its 2.25 KV isolation protection, and overload current/voltage protection on LAN ports, the PCIE-1672PC/PCIE-1674PC is ideally designed for scientific research instrumentations, Medical Research Instrumentations, Gigabit Ethernet surveillance IP cameras in intelligent transportation systems, 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
- **Speed**: 10/100/1000 Mbps
- **No. of Ports**: 2 or 4 Gigabit Ethernet Media Access Control (MAC) and physical layer (PHY) ports.
- **Port Connector**: 8-pin RJ45
- **Protection**: Built-in 2.25KV isolation protection on LAN ports and power, ESD 8KV, EFT 2KV
- **Bus Interface**: PCI Express® x4 compliant

**Power Requirements**
- **Input Voltage**: 12 VDC, AT/ATX System power input
- **Overload Current Protection**: Present
- **Output PoE Power**
  - PCIE-1672PC: Supports 2 PoE ports up to 15.4 W at 48 VDC
  - PCIE-1674PC: Supports 4 PoE ports up to 15.4 W at 48 VDC
- **Power Consumption**
  - PCIE-1672PC: Typical: 15.4W, Max: 35.4W
  - PCIE-1674PC: Typical: 15.4W, Max: 70.8W

**Environment**
- **Operating Temperature**: 0 ~ 50°C (0 ~ 122°F)
- **Storage Temperature**: -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity**: 5 ~ 95% RH

**Mechanics**
- **Dimensions (W x D)**: 185 x 110 mm (7.3” x 3.9”)

**Ordering Information**
- **PCIE-1672PC**: 2-port PoE ports PCI Express Comm Card
- **PCIE-1674PC**: 4-port PoE ports PCI Express Comm Card

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