

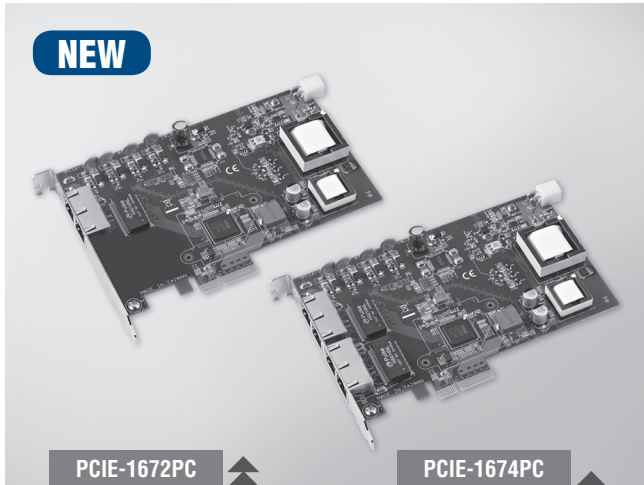
PCIE-1672PC

PCIE-1674PC

2-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card

4-port 10/100/1000 BaseT(X) 802.3af (PoE) Compliant Ethernet ports, PCI Express Communication Card

NEW



PCIE-1672PC

PCIE-1674PC



Features

- Intel® server-grade GbE Mac Controller
- PCI Express® x4 compliant
- Supports 12 V_{DC} AT/ATX input power boost up to 15.4 watts at 48 V_{DC} per PoE port
- Powered Device (PD) auto detection and classification
- Supports IEEE 802.3u Auto-Negotiation
- 2.25 KV isolation protection on LAN ports and power
- Supports Jumbo frame (9,500 byte) and link aggregation
- Supports IEEE-1588 and IEEE-802.1 AS
- PC CPU off-load by onboard DSP processor

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 V_{DC} AT/ATX power input, the PCIE-1672PC/PCIE-1674PC can boost then provides up to 15.4 watts at 48 V_{DC} 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 V_{DC}, AT/ATX System power input
- **Overload Current Protection** Present
- **Connection** AT/ATX Power Jack
- **Output PoE Power**
PCIE-1672PC 48 V_{DC} PoE Power output
Supports 2 PoE ports up to 15.4 W at 48 V_{DC}
PCIE-1674PC Supports 4 PoE ports up to 15.4 W at 48 V_{DC}
- **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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