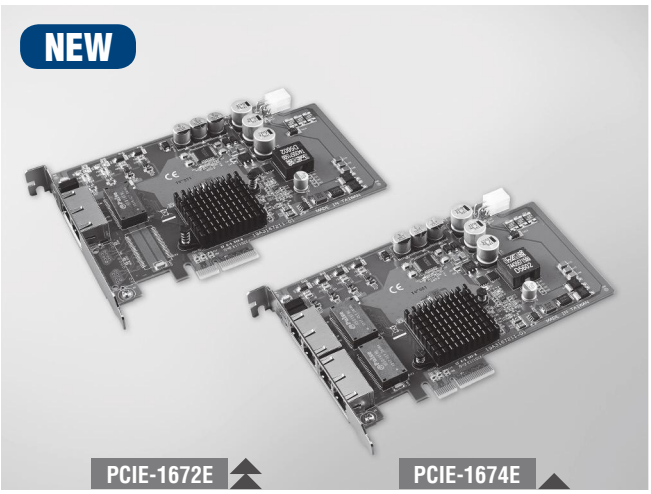
PCIE-1672E
PCIE-1674E

2-port PCI Express GigE Vision Frame Grabber

4-port PCI Express GigE Vision Frame Grabber



Features

- Intel® server-grade GbE Mac Controller
- PCI Express® x4 compliant
- PoE power from PCIe slot(Total Max. 18W)
- Powered Device (PD) auto detection and classification
- Supports IEEE 802.3u Auto-Negotiation
- Supports Jumbo frame (9,500 byte) and link aggregation
- Supports IEEE-1588 and IEEE-802.1 AS

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Introduction

The PCIE-1672E/PCIE-1674E PoE (Power over Ethernet) PCIE series is PCI express Network Interface 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-1672E/PCIE-1674E 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. The PCIE-1672E/PCIE-1674E 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
- **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
- **Bus Interface** PCI Express® 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 Protection** Present
- **Connection** AT/ATX Power Jack
- **Output PoE Power** 48 V_{DC} PoE Power output, total Max. 18W (total Max. 60W with AT/ATX System power input)

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)** 185 x 110 mm (7.3" x 3.9")

Certification

- **Patent** http://www.advantech.com/legal/patent

Ordering Information

- **PCIE-1672E-AE** 2-port PCI Express GigE Vision Frame Grabber
- **PCIE-1674E-AE** 4-port PCI Express GigE Vision Frame Grabber

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