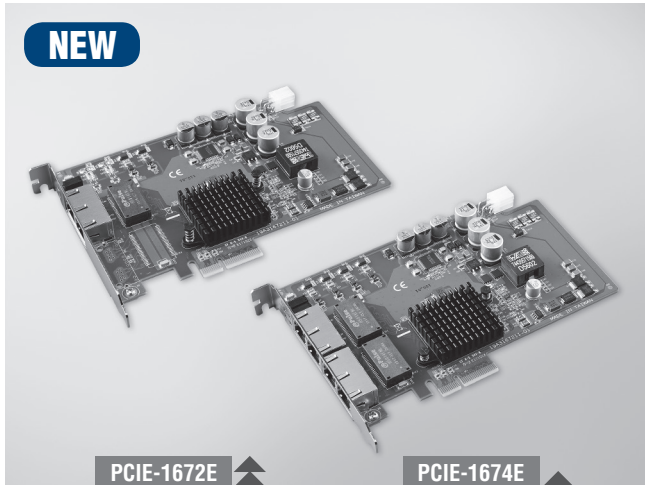# PCIE-1672

2-Port PCI Express GigE Vision Frame Grabber

# PCIE-1674

4-Port PCI Express GigE Vision Frame Grabber

**NEW**

PCIE-1672E    PCIE-1674E

## 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
- Per port power on/off control (PCIE-1672V/PCIE-1674V)

## Introduction

The PCIE-1672/PCIE-1674 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-1672/PCIE-1674 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-1672/PCIE-1674 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
- **PCIE-1672V-CE**    2-port PCIe programmable power on/off Frame Grabber
- **PCIE-1674V-CE**    4-port PCIe programmable power on/off Frame Grabber

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