PCIE-1672 PCIE-1674

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
- 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 Present

Overload Current
Protection

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

PGIE-16/2V-GE 2-port PCIe programmable power on/off Frame

Grabber

■ **PCIE-1674V-CE** 4-port PCIe programmable power on/off Frame

. Grabber