**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**: 2KV
- **Surge Protection**: 1KV

**Power Requirements**
- **Input Voltage**: 12 Vdc direct from PCIe slot, or AT/ATX System power input
- **Overload Current Protection**: Present
- **Connection**: AT/ATX Power Jack
- **Output PoE Power**: 48 Vdc, 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**

**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

All product specifications are subject to change without notice. Last updated: 21-Feb-2018