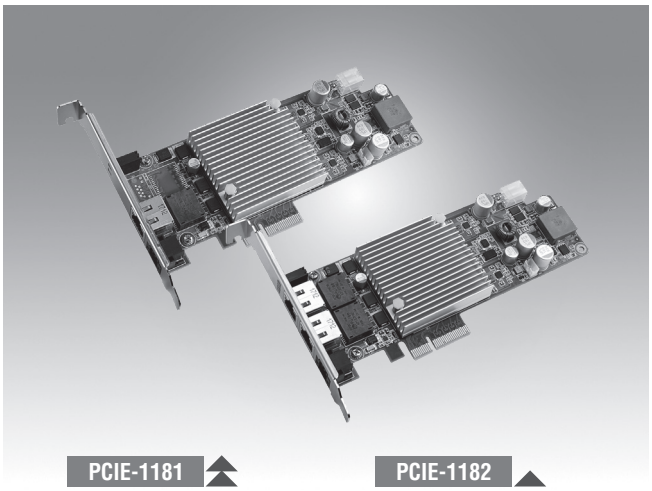
PCIE-1181
PCIE-1182

1-port PCI Express 10 GigE Vision Frame Grabber

2-port PCI Express 10 GigE Vision Frame Grabber



GEN<i>CAM GigE VISION

Features

- Intel server-grade X550-AT2 10GbE MAC+PHY Ethernet Controller
- PCI Express x4 compliant, low profile
- PoE+ compliant, dual channel 12VDC output
- Programmable PoE+ power on/off control
- Powered Device (PD) auto detection and classification

Introduction

PCIe-1181/1182 series is PCI Express® 10 GigE Vision frame grabber which supports 1 or 2 independent 10,000/5,000/1,000/100 BaseT(X), 802.3at (PoE+)compliant Ethernet ports. With 12 VDC power output, the PCIE-1181/PCIE-1182 can provides up to 24 watts for each of 2 12VDC output port. It allows power to be supplied to connected devices, such as 10 GigE cameras, LED lighting in machine vision system. Features programmable PoE+ power control, the PCIE-1181/PCIE-1182 series can significantly increase the reliability for high performance, robust and reliable machine vision applications.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at
- **Speed** 10,000/5,000/1,000 Mbps
- **No. of Ports** 1 or 2, 10GBASE-T MAC and PHY.
- **Port Connector** 8-pin RJ45 Copper
- **Bus Interface** PCI Expressx4 compliant

Protection

- **ESD** 8KV (air), 6KV (contact)
- **EFT** 2 KV
- **Surge Protection** 1 KV

Power Requirements

- **Input Voltage** 12 V_{DC} direct from PCIe slot, or with optional 12 V_{DC} AT/ATX power jack input
- **Overload Current Protection** Present
- **Connection** AT/ATX Power Jack
- **PoE+ output** 60W (2 port) / 30Watt (1 port), protect by recoverable eFuse
- **VDC output** 12 V_{DC} up to 48Watt (2 port) / 24Watt (1 port), protect by recoverable eFuse

Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~ 176°F)
- **Operating Humidity** 5 ~ 95% RH

Mechanics

- **Dimensions (W x D)** 167 x 68.9 mm, PCIe low profile
- **Weight** 300g

Certification

- **Compliance** FCC CE Class A
- **Patent** http://www.advantech.com/legal/patent

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Ordering Information

- **PCIE-1181-AE** 1-port PCI Express 10 GigE Vision Frame Grabber
- **PCIE-1182-AE** 2-port PCI Express 10 GigE Vision Frame Grabber

All product specifications are subject to change without notice.

Last updated: 23-Jun-2021