

PCIE-1182

2-port PCI Express 10 GigE Vision Frame Grabber



Features

- Intel server-grade E610-XAT2 10 GbE MAC+PHY Controller
- Supports Jumbo frame (9500 byte) and link aggregation
- PCI Express 4.0 x4 compliant, provide a low-profile version (half-length, half-height) to offer greater flexibility for users' applications
- PoE+ compliant to support up to 30W power output with recoverable eFuse

Introduction

PCIE-1182 series is PCI Express® 10 GigE Vision frame grabber which supports 2 independent 10/5/2.5/1GbE, and 100BASE-TX, 802.3at (PoE+) compliant Ethernet ports. With 54 VDC power output, the PCIE-1182 can provides up to 30 watts. It allows power to be supplied to connected devices, such as 10 GigE cameras, LED lighting in machine vision system. Features with 9.5 KB Jumbo frames and PoE+ power control, the PCIE-1182 series can significantly reduce the CPU workload, and increase the reliability for high performance, robust and reliable machine vision applications.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.3, IEEE 802.3an, IEEE 802.3z, IEEE802.3ab, IEEE802.3u, IEEE802.3x, IEEE802.3af, IEEE802.3at
- **Speed** 10G / 5G / 2.5G / 1G / 100M bps
- **No. of Ports** 2, 10GBASE-T MAC and PHY.
- **Port Connector** 8-pin RJ45 Copper
- **Bus Interface** PCIe 4.0 x4, x2, x1 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 AT/ATX System power input
- **Overload Current Protection** Present
- **Connection** AT/ATX Power Jack
- **Output PoE+ Power** 54 VDC PoE+ Power output, total Max. 60W(2port)

Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 95%RH@40°C, non-condensing

Mechanics

- **Dimensions (W x D)** PCB: 167 x 64 mm, half-length, half height
Bracket included: 167 x 110 mm, half length
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- **Weight** 200g

Certification

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

Ordering Information

- **PCIE-1182-BE** 2-port PCI Express 10 GigE Vision Frame Grabber