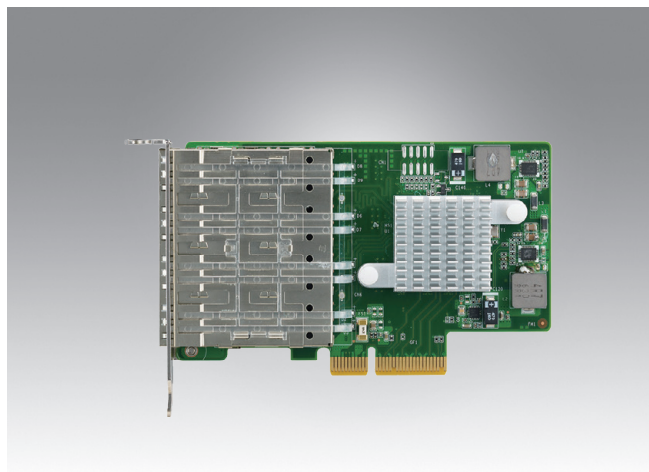# PCIE-1131

## Quad Port Fiber Gigabit Ethernet PCIE Express Server Adapter with Intel® I350

## Features

- Intel® I350 Controller
- 4 1GbE SFP ports
- PCIe Gen.2 x4 host interface
- Advantech small form factor that is smaller than low profile form factors
- Supports multi-mode fiber (SX) and single-mode fiber (LX) modules
- Supports SR-IOV based virtualization

CE FCC RoHS COMPLIANT 2002/95/EC

## Introduction

Advantech's PCIE-1131 is an Advantech small PCIE that is smaller than low-profile, form factors. The quad-port Gigabit Ethernet PCI Express server adapter is based on Intel® I350 and supports a PCI-Express gen.2 x4 host interface. This adapter provides sufficient bandwidth for line-rate traffic on all Gigabit Ethernet ports. Four SFP ports can be configured to support a variety of optical transceivers such as single-mode SX, multi-mode LX, as well as 1GbE Base-T copper modules. Improved support for virtualization,  including but not limited to VMDq and SR-IOV, makes the PCIE-1131 a perfect fit for virtualized environments and applications with network overlays. PCIE-1131 can be used to achieve high densities of network interfaces on servers and platforms for networking as well as industrial applications.

## Specifications

| | | |
|---|---|---|
| Controller | Controller | Intel® I350 |
| | Physical Functions | 2 |
| | Virtual Functions | 8 |
| Ethernet | PCI Express Lanes | x4 |
| | Speed | Gen 2 |
| | Port Number | 4 |
| | Ports | 1GbE SFP |
| Networking | LAN Bypass | Not supported |
| Power | Voltage | +12V |
| | Watts | 5W |
| Mechanical Design | Board Dimension (D x W) | 110 x 68.9 mm |
| | Bracket | Full height and half height options available |
| Environment | Operating Humidity | 0 to 90% (non-condensing) |
| | Operating Temperature | 0 ~ 55 °C (32 ~ 131 °F) |
| | Storage | -40 ~ 65 °C (-40 ~ 149 °F) |
| Certification | EMC | CE/FCC Class A |
| Compatibility | OS Version | Win7 x64 / Win10 x64 / Win2012R2 / CentOS Linux release 7.3 |

## Ordering Information

| Part Number | Description |
|---|---|
| PCIE-1131PS-00A1E | Quad Port Fiber Gigabit Ethernet PCIE Express Server Adapter with Intel® I350 |

Please contact your Advantech representative for a list of supported and validated transceiver modules.

Last updated: 22-Dec-2022