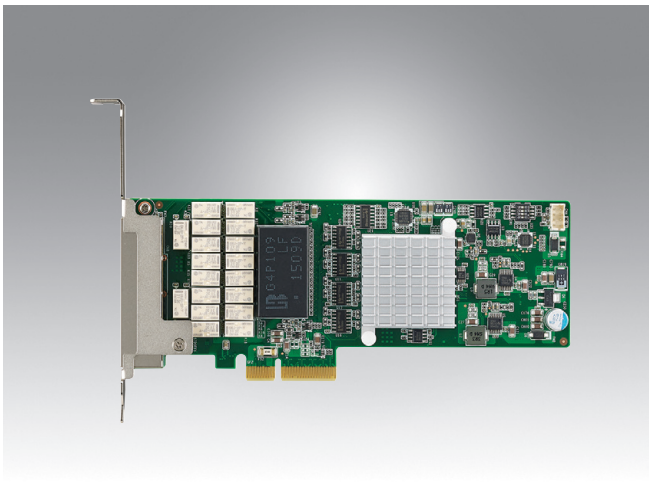
# PCIE-2131

## Quad Port Copper Gigabit Ethernet PCI Express Server Adapter with Intel® I350



## Features

- Intel® I350 Controller
- 4 1GbE copper (RJ45) ports
- PCIe Gen.2 x4 host interface
- Advanced LAN Bypass (optional)
- Low profile form factors
- Supports SR-IOV based virtualization

## Introduction

Advantech's PCIE-2131 is a low-profile quad port Gigabit Ethernet PCI Express server adapter based on Intel® I350 Ethernet controller. By supporting a PCI Express gen. 2 x4 host interface, this adapter provides sufficient bandwidth for line rate traffic on all Gigabit Ethernet ports. Improved support for virtualization – including, but not limited to – VMDq and SR-IOV, makes the PCIE-2131 a perfect fit for virtualized environments and applications with network overlays. PCIE-2131 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 Copper (RJ45) |
| Networking | LAN Bypass | Supported |
| Power | Voltage | +12V |
| | Watts | 5W |
| Mechanical Design | Board Dimension (D x W) | 167 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 |
| | Certification | KCC |
| Compatibility | OS Version | Win7 x64 / Win10 x64 / Win2012R2 / CentOS Linux release 7.3 |

## Ordering Information

| Part Number | Description |
|---|---|
| PCIE-2131BP-00A1E | 4-port Copper GbE bypass Ethernet PCI Express Server Adapter with Intel® I350-AM4 controller |
| PCIE-2131NP-00A1E | 4-port Copper GbE Ethernet PCI Express Server Adapter with Intel® I350-AM4 controller |



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