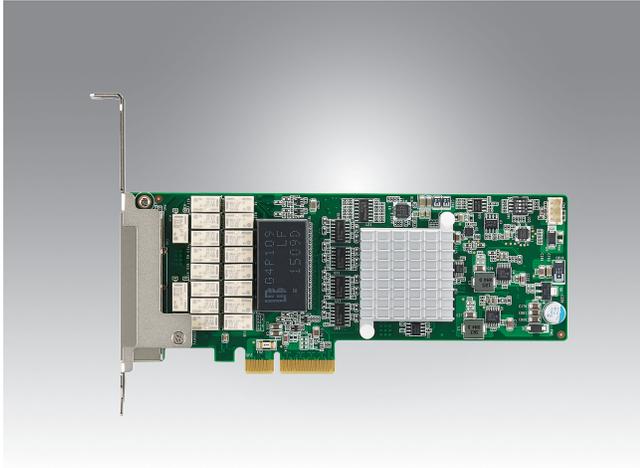


PCIE-2131BP

Quad Port Copper Gigabit Bypass 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
- Low profile form factors
- Supports SR-IOV based virtualization



Introduction

Advantech's PCIE-2131BP 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 with advanced LAN bypass. Improved support for virtualization – including, but not limited to – VMDq and SR-IOV, makes the PCIE-2131BP a perfect fit for virtualized environments and applications with network overlays. PCIE-2131BP 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

Note: BYPASS ALBP tool is for Linux OS only, please be aware PCIE-2232BP is not able to support Windows or FreeBSD.

Ordering Information

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