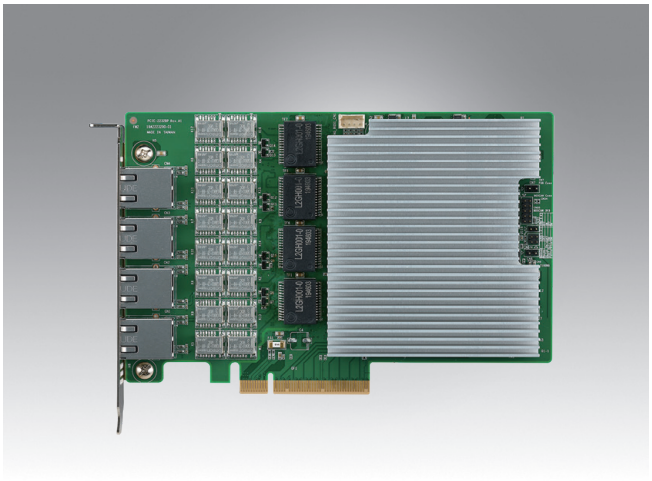
PCIE-2232BP

Quad Port 10GBase-T Ethernet PCI Express Server Adapter with Intel® XL710



Features

- Intel® XL710 controller
- 4 10GbE Base-T (RJ45) ports
- PCIe Gen.3 x8 host interface
- Supports LAN bypass
- Full-height-half-length form factors
- Supports SR-IOV based virtualization

CE FCC RoHS COMPLIANT 2002/95/EC

Introduction

Advantech's PCIE-2232BP is a full-height-half-length quad port 10GbE PCI Express server adapter based on Intel® XL710 Ethernet controller. By supporting a PCI Express gen.3 x8 host interface, this adapter supports 10GBase-T interfaces with advanced LAN bypass. PCIE-2232BP is targeted to network applications that maintains network connectivity when system fails. Improved support for virtualization, including VMDq, SR-IOV, and VEB, makes the PCIE-2232BP a perfect fit for virtualized environments and applications with network overlays. PCIE-2232BP 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® XL710
	Physical Functions	4
	Virtual Functions	128
Ethernet	PCIE Express Lanes	x8
	Speed	Gen 3
	Port Number	4
	Ports	10GbE Base-T (RJ45)
Networking	LAN Bypass	Supported
Power	Voltage	+12V
	Watts	18W
Mechanical Design	Board Dimension (DxW)	167.6 x 98.4 mm
	Bracket	Standard height
Environment	Operating Humidity	20% to 90% (non-condensing)
	Operating Temperature	0 ~ 45 °C (32 ~ 113 °F)
	Storage	-40 ~ 85 °C (-40 ~ 185 °F)
Certification	EMC	CE/FCC Class B

Ordering Information

Part Number	Description
PCIE-2232BP-00A1E	4-port Copper 10GBase-T Bypass NIC Server Adapter with Intel® XL710 controller

All product specifications are subject to change without notice.