PCIE-2230

Quad Port Fiber 10GbE Ethernet PCI Express Server Adapter with Intel® XL710-BM1



Features

- Intel® XL710 Controller
- 4 10GbE SFP+ ports
- PCIe Gen.3 x8 host interface
- Low profile (half length) form factors
- Supports 10GBASE-SR and 10GBASE-LR modules
- Supports SR-IOV based virtualization

Introduction

Advantech's PCIE-2230 is a low-profile quad port 10GbE Ethernet PCI Express server adapter based on the Intel® XL710-BM1 Ethernet Controller. By supporting a PCI Express Gen3 x8 host interface, this adapter provides sufficient bandwidth for line rate traffic on all four 10GbE ports. Quad SFP+ ports can be configured to support a variety of optical transceivers such as 10GBASE-SR and 10GBASE-LR optical modules as well as directly attached cables. Improved support for virtualization, including VMDq, SR-IOV, and VEB, makes the PCIE-2230 a perfect fit for virtualized environments and applications with network overlays. Packet filtering, load balancing, and protocol offload capabilities further enhance efficiency by saving valuable processing time on the host.

PCIE-2230 is an ideal network interface solution for multi-tenant environments, network function virtualization, and networking applications such as WAN optimization and cyber security.

Specifications

Controller	Controller	Intel® XL710
	Physical Functions	4
	Virtual Functions	128
Ethernet	PCI Express Lanes	x8
	Speed	Gen 3
	Port Number	4
	Ports	10GbE SFP+
Networking	LAN Bypass	Not supported
Power	Voltage	+12V
	Watts	9W
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 / Red Hat Enterprise 7.0 / CentOS Linux release 7.3

Ordering Information

Part Number	Description
PCIE-2230NP-00A1E	4-port Fiber 10GbE Ethernet PCI Express Server Adapter with Intel® XL710-BM1 controller

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

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