PCIE-2202E

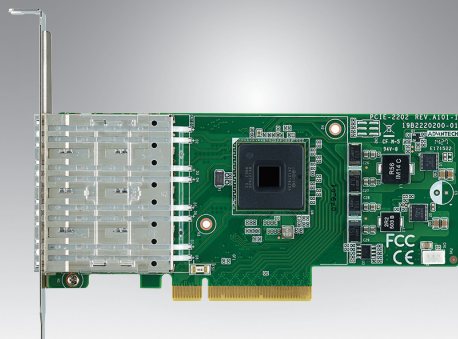## Quad Port Fiber 10G Ethernet PCI Express Server Adapter with Intel® XL710-AM2

NEW

Features

- 1 x Intel XL710-AM2 10GbE Ethernet controller
- 4 x 10GbE SFP+ ports
- Supports 10G base-SR and 10G base-LR transceivers
- PCIex8 Gen3 host interface
- Supports SR-IOV, VEB based virtualization
- Advanced virtualization and network overlay support
- Low profile and full height form factors

RoHS COMPLIANT 2002/95/EC   CE   FCC

Introduction

Advantech's PCIE-2202E is a low-profile quad port 10GE Ethernet PCI Express server adapter based on Intel's XL710-AM2 controller. By supporting a PCI-Express Gen3 x8 host interface, this adapter provides sufficient bandwidth for line rate traffic on all four 10GE ports. Quad SFP+ ports can be configured to support a variety of optical transceivers such as 10GbE Base-SR or 10GbE Base-LR optical modules as well as direct attach cables. Improved support for virtualization – including, but not limited to – VMDq, SR-IOV and VEB make the PCIE-2202E 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-2202E is an ideal network interface solution for multi-tenant environments, Network Function Virtualization but also networking applications such as WAN optimization, network and cyber security.

Specifications

Controller		Intel XL710-AM2 MAC+PHY
	Physical Functions	4
	Virtual Functions	128
	Virtualization Support	VMDq, SRIOV, VEB
Host Interface	PCI Express	8 lanes, Gen 3
Network Interfaces	Ports	4 SFP+ cages
	Media	10G-SR, LR transceivers, Direct Attach cables
	LEDs (per port)	Link/Act (Green/ Green Blink) Speed: 10G (Green)
Software support	Operating Systems	RedHat, CentOS Linux (Windows Server and FreeBSD under investigation)
	Virtualization	KVM (VMWare under investigation)
	others	Intel DPDK
Power consumption	+12V	9W
Environment	Operating Humidity	0 ~ 90%, non-condensing
	Operating Temperature	0 ~ 45° C (32 ~ 113° F)
	Storage	-40 ~ 65° C (-40 ~ 149° F)
Mechanical Specifications	Board Dimensions	167 x 68.9mm (PCIe low profile)
	Bracket	Full height and half height options available
Compliance	EMC Certifications	FCC, CE Class A

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

Ordering Information

Part Number	Description
PCIE-2202E	Quad Port Fiber 10G Ethernet PCI Express Server Adapter with Intel® XL710-AM2

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