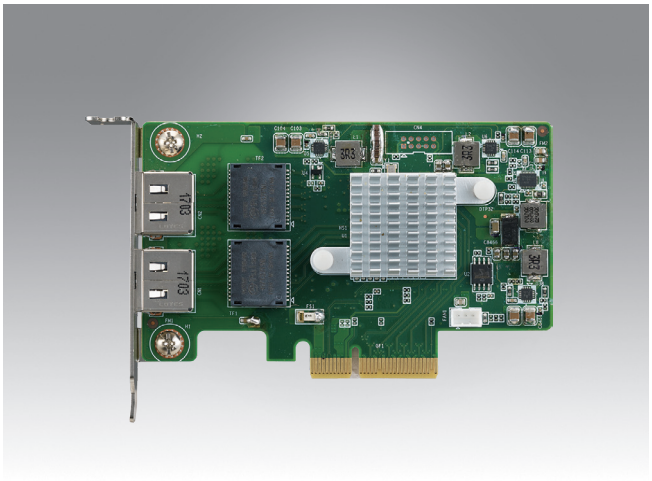
PCIE-1221

Dual Port Copper 10GbE Ethernet PCI Express Server Adapter with Intel® X550



Features

- Intel® X550 Controller
- 1 or 2 10GbE Base-T (RJ45) ports
- PCIe Gen.3 x4 host interface
- Advantech small form factor that is smaller than low profile form factors
- Supports SR-IOV based virtualization

Introduction

Advantech's PCIE-1221 is Advantech's small PCIE that is smaller than low-profile form factors. The dual-port 10GbE PCI Express server adapter is based on Intel® X550. By supporting a PCIExpress gen.3 x4 host interface, this adapter provides sufficient bandwidth for line-rate traffic on both 10GbE ports. Improved support for virtualization, including but not limited to VMDq and SR-IOV, makes the PCIE-1221 a perfect fit for virtualized environments and applications with network overlays. PCIE-1221 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® X550
	Physical Functions	2
	Virtual Functions	128
Ethernet	PCI Express Lanes	x4
	Speed	Gen 3
	Port Number	2
	Ports	10GbE Base-T (RJ45)
Networking	LAN Bypass	Not supported
Power	Voltage	+12V
	Watts	12.5W
Mechanical Design	Board Dimension (D x W)	110 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
Compatibility	OS Version	Win7 x64 / Win10 x64 / Win2012R2 / CentOS Linux release 7.3 / Red Hat Enterprise Linux Server 7.2

Ordering Information

Part Number	Description
PCIE-1221PS-00A1E	Dual Port Copper 10GbE Ethernet PCI Express Server Adapter with Intel® X550

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

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