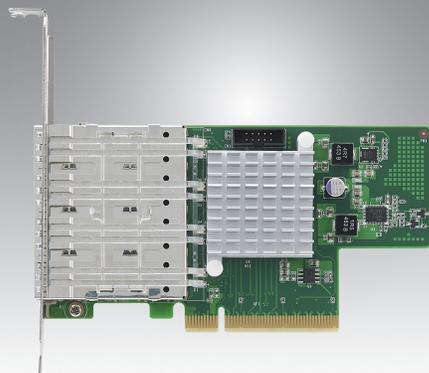


# PCIE-2001E

## Quad Port Fiber Gigabit Ethernet PCI Express Server Adapter with Intel® I350

Preliminary



### Features

- 1 x i350-AM4 GbE controller
- 4 x ports GbE SFP
- PCIe Gen2 x4
- Support multi-mode fiber (SX) and single mode fiber (LX) modules
- Supports SR-IOV based virtualization
- Low profile and full height form factors



CE FCC

## Introduction

Advantech's PCIE-2001E is a low-profile quad port Gigabit Ethernet PCI Express server adapter based on Intel's I350 controller. By supporting a PCI-Express Gen2 x4 host interface, this adapter provides sufficient bandwidth for line rate traffic on all Gigabit Ethernet ports. Four SFP+ ports can be configured to support a variety of optical transceivers such as single mode SX, multi mode LX optical as well as 1G Base-T copper modules. Improved support for virtualization – including, but not limited to – VMDq and SR-IOV make the PCIE-2001E a perfect fit for virtualized environments and applications with network overlays. PCIE-2001E can be used to achieve high densities of network interfaces on servers and platforms for networking as well as industrial applications.

## Specifications

Controller	Physical Functions	Intel I350-AM4 MAC+PHY 2
	Virtual Functions	8
Host Interface	PCI Express	4 lanes Gen2
Network Interfaces	PCI Express Voltage	(+12V)
	PCI Connector	Gold Finger: X4
	LEDs (per port)	Link/Act LED (Green)
Software support	Operating Systems	RedHat, CentOS Linux (Windows Server and FreeBSD under investigation)
	Virtualization	KVM (VMWare under investigation)
Power consumption	+12V	8W typ./ 12W max. (estimated) (including 4 SX transceivers)
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 Dimension	167 x 68.9mm (PCIe low profile)
	Bracket	Full height and half height options available
Compliance	EMC Certifications:	FCC CE Class A

## Ordering Information

Part Number	Description
PCIE-2001E	Quad Port Fiber Gigabit Ethernet PCI Express Server Adapter with Intel® I350

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