

FMI210-1G-S1

PCIe x1 Gigabit SFP 1 Port Fiber Adapter



Product Features

- ❖ Support 1000Mbps single fiber channel;
- ❖ Interface standard supports PCIe v2.1;
- ❖ Support MSI, MSI-X, support VMDq queue;
- ❖ Support ISCSI acceleration;
- ❖ Support QOS strategy;
- ❖ Support FCOE unloading;
- ❖ Support RSS/TX queue;

- ❖ Support 802.3x flow control;
- ❖ Supports most network operating systems and can be widely deployed.

Description

The Intel® Ethernet Controller I210 (I210) is a single port, compact, low power component that supports GbE designs. The I210 offers a fully-integrated GbE Media Access Control (MAC), Physical Layer (PHY) port and a SGMII/SerDes port that can be connected to an external PHY. The I210 supports PCI Express* [PCIe v2.1 (2.5GT/s)]. The I210 enables 1000BASE-T implementations using an integrated PHY. It can be used for server system configurations such as rack mounted or pedestal servers, in an add-on NIC or LAN on Motherboard (LOM) design. Another possible system configuration is for blade servers as a LOM or mezzanine card. It can also be used in embedded applications such as switch add-on cards and network appliances.

Product Advantage

- ❖ FMI210-1G-S1 network card adopts Intel I210 original chip;
- ❖ All PCB boards are 6-8 layers;
- ❖ The surface of the network card adopts tin-spraying process to prevent the oxidation of bare copper and maintain solderability;
- ❖ The components of the network card are made of the normal materials of the original factory, and the power supply is made of TI and LTC power chips of the United States, so as to determine the stability of power supply to the network card;
- ❖ Slot gold finger with 5 μ heavy gold for reliable contact, low loss, low packet loss and low data delay;
- ❖ The interface of the network card is plated with double shielding, which can effectively prevent interference and make the data transmission more fluent;
- ❖ With heat sink on the network card, it can reduce the working temperature of the network card at any time, improve the working stability and extend the service life of the network card;
- ❖ All the network cards pass 24 hours live working aging under 90 degrees high temperature, and strict testing, to ensure the high reliability and high stability of the network card;

Product Specification

Part Number	FMI210-1G-S1
Product Name	Gigabit single channel universal fiber to desktop network card
Product Type	Desktop network card
Processor Chip	Intel I210 chip
Bus Type	PCI Express, compatible with the X1, X4, X8 and X16 PCI-E slots
Network Interface Type	SFP
System Interface Type	PCIe v2.1 (5.0GT/s)
Ethernet Storage	iSCSI, NFS
Transmission Rate (Mbps)	1000M
Type of Transmission Medium	LC fiber, subject to MMF 62.5/50 microns
Web Standards	IEEE802.3
Specific Features	<p>Intel Virtualization Technology for Connectivity;Virtual machine device queue (VMDq) and SR-IOV;</p> <p>Advanced packet filtering (by port);</p> <p>VLAN support and VLAN tag insertion, removal and packet filtering;</p> <p>iSCSI acceleration, iSCSI remote boot;</p> <p>Ethernet fiber channel;Adapter fault tolerance, switch fault tolerance;</p> <p>Adaptive load balancing;</p> <p>Grouping support;</p> <p>TCP check and unload, TCP segment/large send unload, alleviate interrupt;</p> <p>IPv6 unloading;</p>
Compatible Server Brand	Lenovo, HP, dell, asus, tsinghua tongfang, shenzhou, acer, Great Wall, jin xiangyun, mechanical revolution and other brand desktop brands
Certification	High-tech certification, ISO9001 certification, CE certification, FCC certification, ROHS certification, REACH certification

Compatible Operating System	Windows XP SP3, Windows 7, Windows Server 2003, Windows Server 2008, Windows Server 2008 SP2, Windows Server 2008 SP2 Core, Windows Server 2008 R2 SP1 Windows Server 2008 R2 SP1 Core, WinPE 1.6 (2003 PE),WinPE 2.1 (2008 PE) WinPE 3.0 (2008 R2 PE), Linux Stable Kernel version 2.6/3.x ,Linux RHEL 5.8 Linux RHEL 6.2,Linux SLES 10 SP4, Linux SLES 11 SP2,FreeBSD 9 ,EFI 1.1, UEFI 2.1,UEFI 2.3, VMware ESXi 5.02,VMware ESX M/N.next 3 (GA TBD)		
Length	9.46 cm (3.72 inches)	Width	6.8 cm (2.68 inches)
Working Temperature	0°C~55°C(32°F~131°F)	Storage Temperature	-40°C~70°C (-40°F~158°F)

Ordering Information

Part Number	Product Description
FMI210-1G-S1	Intel I210 chip, PCIe x1 (5.0GT/s), Gigabit SFP 1 Port, 1000Mbps Transmission Rate