

FM82599EN-10G-S1

PCI Express x8 Single Port SFP+ 10 Gigabit Server Adapter



Product Features

- ❖ Support 10Gbps single fiber channel;
- ❖ Interface standard supports PCIe v2.0;
- ❖ 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

FM82599EN-10G-S1 is a 10G fiber network card dedicated to server , it has one 10G LC optical fiber interface, can support 10Gbps transmission bandwidth, and support PCI-E X8 standard slot, ensure the network card efficient and stable work.In addition, the network card also supports VLAN, QOS strategy, flow control and other functions, suitable for medium and large LAN applications.

Product Advantage

- ❖ FM82599EN-10G-S1 network card adopts Intel 82599EN 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

Product Number	FM82599EN-10G-S1
Product Name	10G single channel commercial fiber network card
Product Type	Ethernet server network card
Processor Chip	Intel 82599EN Ethernet controller
Bus Type	PCI Express, compatible with the X8 and X16 PCI-E slots
Network Interface Type	SFP+
System Interface Type	PCIe v2.0 (5.0GT/s)
Ethernet Storage	iSCSI, FCoE, NFS
Transmission Rate (Mbps)	10G
Type of Transmission Medium	LC fiber, subject to MMF 62.5/50 microns
Web Standards	IEEE802.3 (10GBASE-SR/LR/ZR)
Specific features	Intel Virtualization Technology for Connectivity;Virtual machine device queue (VMDq) and SR-IOV; Multi-CPU load balancing; Advanced packet filtering (by port); VLAN support and VLAN tag insertion, removal and packet filtering; iSCSI acceleration, iSCSI remote boot; Ethernet fiber channel;Adapter fault tolerance, switch fault tolerance; Adaptive load balancing; Grouping support; TCP check and unload, TCP segment/large send unload, alleviate interrupt; IPv6 unloading;
Compatible Server Brand	Lenovo server, inspur server, HP server, cisco server, huawei server, dell server, asus server, IBM server, shuguang server, tsinghua tongfang server, Great Wall server, wuzhou server, baode server, microstar server, zhengrui server and DIY server
Certification	High-tech certification, ISO9001 certification, CE certification, FCC certification, ROHS certification, REACH certification

Compatible Operating System	Windows Server 2012 R2*, Windows Server 2012*, Windows 8*, Windows Server 2008 R2*, Windows 7*, Windows Server 2008* SP2, Windows Vista* SP2, Windows Server 2003 R2*, Windows Server 2003* SP2, Linux* Stable Kernel version 3.x, 2.6,x, Red Hat Enterprise Linux* 5, 6, SUSE Linux Enterprise Server* 10, 11, FreeBSD 9* , , VMware ESX/ESXi*		
Length	15 cm (5.90 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
FM82599EN-10G-S1	Intel 82599EN, PCIe x8 (5.0GT/s), 10 Gigabit SFP+ 1 Port, 10Gbps Transmission Rate