NIC-PCIE-1SFP-100FX-PLU

PCIe x1 100FX SFP Port Fibre NIC (Intel® 82574 Based)

Descriptions:

NIC-PCIE-1SFP-100FX-PLU is a PCI-e bus 100Mbps Fibre network card can offer users reliable Fibre-optic link on fast Ethernet internet, particularly it is fit for places where distance of accessing to POI beyond string Cat 5e (>100m). It can completely replace the networking structure of that Ethernet card with an RJ45 port connecting externally to a transceiver. It can provide users with reliable FTTH and FTTD solutions. Users can select the optical interface parameters (including connectors, single-mode / multi-mode fibre, working distance, etc) according to occasion.

Connectivity You Can Count On

For PCs with PCI Express (PCIe*) slots, the NIC-PCIE-1SFP-100FX-PLU Desktop Adapter offers the newest technology for maximizing system performance and increasing end-user productivity. Specifically, the Intel Gigabit Desktop Adapter uses auto-negotiation to ensure the adapter runs at the highest available network speed (10, 100, or 1000Mbps), and it maintains full bandwidth capacity with the dedicated bandwidth of a PCI Express input/output (I/O) bus to provide connectivity you can count on. Based on the low-power Intel 82574L Gigabit Ethernet Controller, this desktop adapter offers optimal performance in a low-cost, low-power, compact profile. Teaming support and an array of other advanced features enable customers to utilize this adapter as an entry-level server adapter as well.

Enhancing Desktop Performance

Fast servers and server connections are important for high network performance. However, server speed cannot overcome the drag of slow desktop performance. When a desktop PC initiates a transaction with the network server, the server quickly performs its portion of the transaction, but must wait for the desktop PC to complete its part of the transaction. The slower

the PC, the longer the server must wait for transaction completion before moving to the next transaction. With PCI Express Gigabit performance to the desktop, transactions on the PC side complete significantly faster, allowing the network to service more transactions faster.

PCI Express Makes Gigabit Ethernet Even Faster

PCI Express is the third-generation I/O standard with performance that supersedes the previous PCI and PCI-X* slot standards. The key to PCIe performance is its higher dedicated I/O bandwidth. Unlike the PCI bus, which shares its I/O resources with all devices on the bus, PCIe dedicates its I/O to a single device. The NIC-PCIE-1SFP-100FX-PLU Desktop Adapter allows you to take advantage of this dedicated I/O by combining Gigabit Ethernet with PCI Express to provide high-performance network connectivity for desktops with PCI Express slots. Make the Intel Gigabit CT Desktop Adapter your choice for applications utilizing rich media content such as video streaming, web applications, music, and gaming.

Quick and Easy Installation

The NIC-PCIE-1SFP-100FX-PLU Desktop Adapter is supported by Intel PROSet Utility for Microsoft* Device Manager and Intel PRO intelligent install. Intel PROSet simplifies adapter installation and gives you point-and-click power for configuring and managing all of your Intel Network Connections.

Advantages:

Uses the 6 layer PCB, double copper thickness, 5OZ heavy gold plate

Optimize designation, improved the distribution line and integral network arrangement

Use the high power control

Use the USA Marvell original photoelectric controller

Improved the functions and quality

Features:

PCI-E X1 compliant

SFP connector, MM and SM available

Support PXE

Compliant with IEEE 802.3z 1000Base-SX / 1000Base-LX Ethernet standard

100Mbps fast Ethernet, Full duplex or half-duplex, reach 200Mbps in full duplex

Support IEEE 802.3x flow control

Support IP Unicast broadcast and multicast address filtering mechanism

Support priority queue

Support IEEE 802.1Q VLAN tagging

Support IP multicast packet filter reduces host CPU use

Networking Protocol:

IEEE 802.3Z 1000Base-SX/LX Ethernet standard

IEEE 802.3x flow control

IEEE 802.1q VLAN tagging

GVRP VLAN registration protocol

IEEE 802.1p priority control

PCI-E 1.0 compliant

ACPI 2.0 power manage functions

NOS Software Support:

Windows 10

Windows 2000

Windows XP 32-bit (64-bit)

Windows Server 2003 32-bit (64-bit)

Windows Vista 32-bit (64-bit)

Windows 7 32-bit (64-bit)

Windows 8 32-bit (64-bit)

Windows Server 2008 32-bit (64-bit)

Windows Server 2008 R2 32-bit (64-bit)

Windows Server 2012 32-bit (64-bit)

DOS, Novell ODI

Novell Netware 5.x、6.x

Linux 2.4 series kernel and 2.6.x 、3.x

FreeBSD 7.x and later

UnixWare / OpenUnix 8

Sun Solaris x86

VMWare

Microsoft NT 3.51 / 4.0

Microsoft Windows for Workgroups 3.11

Microsoft Windows CE.NET 4.0 / 4.2

Microsoft Client for DOS

NDIS2/3/4/5 driver

ODI for DOS driver

32 bit ODI LAN driver

Order Information:

M/N	Description
NIC-PCIE-1SFP-100FX-PLU	PCIe x1 100FX ST Port MM Fibre NIC (Intel 82574 Based)