

# NICPCIE-6SFP

PCI Express x4 Six-Port Gigabit SFP Ethernet Server Adapter



## Overview

The NIC-PCIE-6SFP-PLU is PCI Express x4 six-port Gigabit SFP Ethernet server adapter is based on a genuine Intel I350 master control solution. The adapter is designed for use on servers and high-end devices. The performance is optimised, so that system I / O is no longer the bottleneck of high-end network applications. The adapter can be bundled into groups for fault tolerance, automatically detecting and routing communications from the failed port to other members of the same group to continue operation for uninterrupted communication. The adapter has integrated hardware acceleration and is capable of performing TCP/UDP/IP checksum offloading and TCP segmentation tasks. Host processing technology can offload the accelerator and free up CPU resources to free up more CPU resources to handle other applications. The adapter is the ideal solution for deploying multiple networks and deploying critical network applications and environments on high-performance servers.

The NIC-PCIE-6SFP-PLU adapter is equipped with dedicated PCI Express input/output (I/O) bandwidth in a Gigabit Ethernet connection over a fiber network to ensure superior performance without consuming bus bandwidth. The onboard 6 SFP slots are compatible with various Gigabit SFP modules. Users can select the Gigabit fiber modules to be used according to the actual transmission distance without replacing the network card. This adapter supports the PCI-SIG Single-Root I/O virtualization and sharing specification (SR-IOV). NIC-PCIE-6SFP-PLU network card is suitable for Gigabit fiber optic Ethernet, has excellent noise immunity, and also supports long-distance fiber connection. The adapter supports Intel PRO Smart Install and the new Intel PROSet designed for the Microsoft Device Manager, simplifying the installation and management process. The Intel PROSet program simplifies the installation process for the adapter.

Specifications	
Controller	Intel(R) I350
Cable	1G SFP / AOC/ DAC
Cable Type	1000Base-SX/1000Base-LX/1000Base-T
Bracket	Full-height Bracket
Power(max)	3.6W
Operating System Support	Windows 10
	Windows 8/8.1
	Windows 7

	Windows Vista
	Windows XP
	Windows Server 2019 /R2
	Windows Server 2016 /R2
	Windows Server 2012 /R2
	Windows Server 2008 /R2
	Windows Server 2003 /R2
	Linux kernel 2.4.x/2.6.x/3.x/4.x or later
	FreeBSD 7.x or later
	UnixWare / Open Unix 8
	Sun Solaris 9/10/11 or later
	VMware ESX/ESXI 5.x/6.x or later
Connector	6 * 1G SFP
PCIe	PCI Express v2.1 (2.5GT/s & 5.0GT/s) x4; compatible x8、x16
Speed	1000Mbps
Power Supply	PCIe
<b>Technical Parameters</b>	
Ethernet Power Management	Yes
IEEE Standard	IEEE 802.3z 1000BASE-X Gbit/s Ethernet IEEE 802.3x Full Duplex and flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.3ad Link aggregation for parallel links IEEE 802.1Q VLAN
PXE	Yes
DPDK	Yes
Jumbo Frame	Yes
iSCSI	Yes
WOLE	No
FCoE	No
<b>Environment Features</b>	
Operating Temperature	0°C to 55°C(32°F to 131°F)
Storage Temperature	-40°Cto 70°C (-40°F to 158°F)
Storage Humidity	90% non condensing under 35°C
Certificate	FCC A, UL, CE, VCCI, BSMI, CTICK, KCC
<b>LED Indicator</b>	
LED Indicator	1000Mbps: Green Link, Yellow Blink
<b>Driver</b>	
Windows	Intel(R) I350 Gigabit Fiber Network Connection
Linux	Intel Corporation I350 Gigabit Fiber Network Connection (rev 01)
<b>Physical Features</b>	
PCB size(mm)	165*68*1.6
Weight(g)	112