

PCIe Fast Ethernet 100Base-FX Fiber Network Interface Card, Intel 82574 Chipset PCIe x1 Fiber NIC, Single SC Port, MMF.

The NIC-9030PF is a high-performance, managed PCIe x1 fiber optic network interface card (NIC) designed for 100Mbps fast Ethernet applications. Leveraging Intel's advanced Ethernet controller technology, it delivers reliable fiber-optic connectivity, making it ideal for extending networks beyond the limitations of traditional Ethernet cables. Equipped with a 1x9 optical transceiver module, users can select fiber interface parameters, such as connector types, transmission distances, and fiber modes, to meet specific needs.



This NIC is the perfect solution for fiber-to-the-home (FTTH) and fiber-to-the-desktop (FTTD) applications, replacing the traditional Ethernet card and external optical transceivers, and offering seamless, long-distance connectivity.



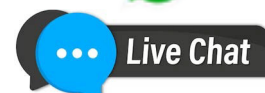
Key Features

- **Advanced Intel Controller:** Powered by the Intel 82574L Ethernet Controller for low power consumption and optimized performance.
- **PCIe x1 Compatibility:** Fully compliant with PCI Express 1.0 for high-bandwidth, dedicated I/O performance.
- **Versatile Fiber Connectivity:** Supports 1x9 optical transceiver modules with SC connectors and multimode fiber options for distances up to 2 km.
- **High-Speed Performance:** Operates at 100Mbps Fast Ethernet with support for full-duplex (200Mbps) or half-duplex modes.
- **PXE Boot Support:** Includes PXE functionality for remote boot and system management.
- **Standards Compliance:** Meets IEEE 802.3z 100Base-SX/LX Ethernet standards for robust, industry-standard performance.
- **Flow Control and QoS:**
 - IEEE 802.3x flow control for smooth data transfer in full-duplex mode.
 - IEEE 802.1p priority control and 802.1Q VLAN tagging for traffic prioritization and segmentation.
- **Efficient CPU Utilization:** Offloads multicast packet processing to reduce host CPU usage.
- **Plug-and-Play:** Easy installation and configuration with Intel PROSet Utility and Intel PRO Intelligent Install.

Contact Us:

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 (305) 865-8517  +1 (305) 710-6768



Specifications

Networking Protocols

- IEEE 802.3z 100Base-SX/LX
- IEEE 802.3x Flow Control
- IEEE 802.1Q VLAN Tagging
- IEEE 802.1p Priority Control
- GVRP VLAN Registration Protocol

Fiber Module Options

- Dual-fiber MM, 1310nm wavelength, **2km range**.

Environmental

- **Operating Temperature:** 0°C to 50°C.
- **Storage Temperature:** -25°C to 55°C.
- **Humidity:** 5%–95%, non-condensing.

LED Indicators

- **Red:** Power (PWR).
- **Green:** Link/Activity (LNK/RA).

Physical Dimensions

- **Size:** 105mm x 57mm.

Operating System Support

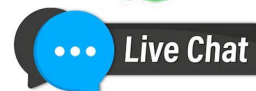
Windows:

- 2000, XP (32/64-bit), Vista (32/64-bit), 7, 8, Server 2003/2008/2012 (32/64-bit).
- Linux: Kernel 2.4.x, 2.6.x, and 3.x.
- Unix: FreeBSD (7.x and later), OpenUnix 8, UnixWare, Sun Solaris x86.
- Others: DOS, Novell Netware (5.x, 6.x).

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Applications

- Fiber-to-the-Desktop (FTTD) and Fiber-to-the-Home (FTTH) deployments.
- Extending Ethernet connectivity beyond the 100m limit of Cat 5e cables.
- High-speed industrial Ethernet applications.

The NIC-9030PF PCIe Fiber Ethernet LAN Card combines advanced Intel technology, flexible fiber options, and robust performance to deliver reliable, high-speed fiber-optic connectivity. Whether for business or industrial use, this NIC is the perfect choice for extending your network efficiently and securely.

