1-Port GbE SFP Network Card, PCIe 2.1 x1, Intel I210-IS, 1GbE Controller, 1000BASE Copper/Fiber Optic, Single-Port Gigabit Ethernet NIC, Desktop/Server Backplanes - Windows and Linux Compatible

Product ID: P011GI-NETWORK-CARD



Add a 1GbE SFP module to a PCI Express (PCIe) 2.1 x1 (or higher) slot in an IT Administrator workstation or server backplane, using this 1-Port SFP Network Controller.

The network controller features an Intel I210 chip known for its reliability and high-performance capabilities, offering low-latency and low CPU utilization, ensuring smooth and efficient network data transfer, which is critical for business applications and services. Support for VMDq, SR-IOV, and Intel VT-c technologies allow for enhanced virtual machine performance, reduced CPU overhead, and improved network virtualization capabilities. The PCIe network card supports PXE boot, enabling centralized operating system deployment and updates. It also features 9K jumbo frame support, reducing packet overhead for improved data transmission efficiency. VLAN tagging support allows for efficient network management and segmentation.

The network interface controller connects to an available x1 PCI Express 2.1 (or higher) expansion slot. It is compatible with Windows Server 2012 and newer, Windows 10 and newer, Linux, VMware ESXi 7.x, and Microsoft Hyper-V. This NIC is compatible with both MSA-compliant and branded 1GB SFP modules, as well as direct attach copper cables (DACC). Includes a low-profile bracket designed for small form factor systems.

The card features an SFP slot for interchangeable SFP modules. Select fiber transceiver modules that best suit the network needs of the application, based on the distance and connector type. StarTech.com offers a wide variety of SFP transceiver modules to meet many GbE network applications.

Certifications, Reports and Compatibility



Applications

• Create a high-speed and flexible network infrastructure in data centers or enterprise networks

Features

• INTEL I210 SERIES NETWORK CARD: High-performance 1-port PCIe network card featuring Intel I210-IS chipset adds a Gigabit open SFP slot to a desktop or server; Supports IPv4, IPv6, TCP/UDP offloading, link aggregation

• UNLOCKED 1GB SFP SLOT: Works with any Singlemode/Multimode MSA-compliant or branded SFP/direct attach copper cable (DACC) module; 1Gbps (full-duplex) bandwidth; Fiber enables longer cable runs than copper cabling while being immune to EMI

• COMPATIBILITY: Works with Windows Server 2012 & up, Windows 10 & up, Linux, VMware ESXi 7.x, and Microsoft Hyper-V; PCI Express Ethernet NIC is compatible with PCIe version 2.1 and works in PCI Express x1 or larger expansion slots

• THOUGHTFUL DESIGN: LED indicators for port status or network activity monitoring, and to assist with troubleshooting; Full-profile bracket installed by default with a Low-Profile bracket included

• IT MANAGEABILITY: PXE boot enabled for centralized OS deployment and updates; 9K jumbo frame support for reduced packet overhead; VLAN tagging support for efficient network management; Supports Intel Virtualization Technology (VT-c, VMDq, SR-IOV)

Hardware

Warranty	2 Years
Ports	1
Interface	Fiber Ethernet
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Industry Standards	IEEE 802.3ab 1000BASE-T IEEE 802.3ap 1000BASE-KX IEEE 802.3z 1000BASE-SX IEEE 802.3z 1000BASE-LX IEEE802.3az (EEE)

		IEEE 8021AX (Link Aggregation)
		IEEE 802.1Q (VLAN) PCI Express Version 2.1
	Chipset ID	Intel I210-IS
Performance		
	Maximum Data Transfer Rate	1Gbps
	DDM	Yes
	Compatible Networks	1000 Mbps (1 Gbps)
	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Promiscuous Mode	Yes
	General Specifications	VMDq Support
		Intel VT-c Support
		SR-IOV Support
Connector(s)		
	Connector Type(s)	1 - PCI Express x1
	External Ports	1 - SFP Slot
Software		
	OS Compatibility	Windows 10, 11
		Windows Server 2012, 2012 R2, 2016, 2019, 2022
		VMware ESXi 7.x
		Microsoft Hyper-V
		Linux 2.4.x and up - LTS Versions only
Special Notes / Requirements		
	Note	This product does not support 10/100Mbps SFP modules.
		Fiber data transfer speeds and distances are dependent on the

		SFP module used (sold separately)
Indicators		
	LED Indicators	1 - Link Speed: Solid Green for 1Gbps network connection
		1 - Link Status: Solid Green for active link. Flashes for activity
Power		
	Power Source	Bus Powered
	Power Consumption (In Watts)	0.6 W
Environmental		
	Operating Temperature	0C to 50C (32F to 122F)
	Storage Temperature	-10C to 70C (14F to 158F)
	Humidity	5% ~ 90% RH (non-condensing)
Physical Characteristics		
	Color	Black
	Product Length	3.4 in [8.7 cm]
	Product Width	2.6 in [6.7 cm]
	Product Height	0.6 in [1.6 cm]
	Weight of Product	1.4 oz [40.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	8.4 in [21.3 cm]
	Package Width	5.7 in [14.5 cm]
	Package Height	1.3 in [3.3 cm]
	Shipping (Package) Weight	5.1 oz [145.0 g]
What's in the Box		
	Included in Package	1 - Open SFP Network Card

1 - Low-Profile Bracket

1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.