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Data Sheet

PCI Express (PCIe) Gigabit Ethernet Multimode SC Fiber Network Card Adapter NIC - 550m

Product ID: PEX1000MMSC2



The PEX1000MMSC2 PCIe Gigabit Fiber Network Card lets you connect a desktop PC directly to a fiber optic network, by adding a multimode SC fiber port to your computer or server through an available PCI Express slot.

Perfect for integrating into new or existing fiber infrastructure over great distances, this card delivers full Gigabit bandwidth to your computer up to 550 meters away from your network source, using multimode 50/125 micron duplex SC fiber cable. Plus, for a wider spectrum of compatibility, this versatile card offers fiber integration with a computer up to 220 meters away when deployed to network frameworks consisting of multimode 62.5/125 micron cabling.

With fiber connectivity, your network is not susceptible to electronic interference, which can be problematic with standard RJ45 copper networks, making this fiber card ideal for secure network setups.

Plus, the card is equipped with a standard profile bracket and includes a low-profile/half-height bracket, making it easy to install in small form-factor computers or 1U server and rackmount applications.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS & REACH DOWNLOAD DECLARATION

TAA COMPLIANT

Applications

- Ideal for reliable and secure setups - a direct fiber connection means no electromagnetic interference, which can be a problem with copper-based network cards
- Perfect for remote embedded industrial monitoring systems, and high-speed video surveillance
- Provide full Gigabit bandwidth to a remote terminal over long distances, extends a network connection further than typical copper cabling

Features

- Maximum fiber distance of 550m
- Supports Full/Half-duplex Auto-Negotiation
- Includes low-profile/half-height installation bracket
- Compliant with IEEE802.3z 1000Base-SX, IEEE 802.1Q VLAN Tagging, IEEE 802.1P Layer 2 Priority Encoding, IEEE 802.3x full duplex flow control
- Supports RFC 1157 SNMP v1 for remote management
- Jumbo Frame Support
- Supports PCI Message Signaled Interrupt (MSI)
- Preboot Execution Environment (PXE) 2.1
- Supports Wake-on-LAN remote wake-up
- Advanced Configuration Power Management Interface (ACPI) 2.0

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Realtek - RTL8168E Marvell - 88E1111B1
	Industry Standards	IEEE802.3z 1000BASE-SX, IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding, IEEE 802.3x full duplex flow control, RFC 1157 SNMP v1
	Interface	Fiber Ethernet
	Ports	1
Performance	Buffer Size	48 KB
	Compatible Networks	1000 Mbps (1 Gbps)
	Full Duplex Support	Yes
	Maximum Data Transfer Rate	2000 Mbps (2 Gbps) - Full-Duplex
	MTBF	361, 978 hours
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	1 - Fiber Optic SC Duplex Female
Software	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS X® 10.5 to 10.9 Linux 2.4.x to 4.11.x *LTS Versions only* Microsoft Hyper-V®
Special Notes / Requirements	**Note**	Not compatible with 10/100 Mbps
Indicators	LED Indicators	1 - Link (Green)
		1 - Activity (Yellow)
Power	Power Consumption (In Watts)	3.2W Max
Environmental	Humidity	5~95% RH (Non-Condensing)
	Operating Temperature	0°C to 45°C (32°F to 113°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Physical Characteristics	Product Height	4.6 in [118 mm]
	Product Length	4.7 in [120 mm]
	Product Weight	2.3 oz [66 g]
	Product Width	0.7 in [18 mm]

Packaging Information	Shipping (Package) Weight	7.3 oz [208 g]
What's in the Box	Included in Package	1 - 1 Port PCI Express Gigabit Fiber Network Card 1 - Low Profile Bracket 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.