Gigabit PCIe Fiber Network Interface Card

956-22600 Series

- TAA compliant
- Plug-and-Play support
- Preboot execution environment (PXE) 2.1
- Supports IPv4 and IPv6
- VLAN Filtering and Quality of Service (QoS)
- Checksum offload (IP, TCP, UDP) and Large Send Offload
- Supports Single-Mode and Multi-Mode Fiber

PRODUCT FEATURES

Introduction

Advantech B+B SmartWorx Gigabit PCIe Fiber Network Interface Cards (NIC) provide high-speed, and reliable network performance to the desktop and servers, making them perfect for government and education networks. The Gigabit PCIe Fiber Network Interface Cards fully comply with IEEE 802.3z and 1000Base SX/LX standards for Fiber. The Gigabit PCIe Fiber Network Interface Card cards provide advanced features to that meet the growing demand of IT Engineers and fit into virtually any network architecture.

Advanced Capabilities

With integrated state-of-the-art DSP technology, these cards provide high-speed robust transmission and large-sends offloading host CPU from processing checksums and Large Sends, while supporting Ethernet VLAN tagging, and L2 priority encoding IEEE 802.1P Layer 2 Priority, and Quality of Service (QoS). Preboot Execution Environment (PXE) support on Fiber NIC gives the NIC the ability to execute PXE protocol on the client machines. In addition, the NIC supports ASF (Alert Standard Format) 2.0 used in remote system management standards.

Secure Connectivity

Placing a fiber NIC card in a computer and giving it a direct fiber link to the network's fiber backbone makes the physical connection far more secure. That's why institutions with enhanced security needs take fiber all the way to the desktop. You can't tap into a beam of light.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
956-22600	1000 BASE-SX/LX SFP
956-22601	1000BASE-SX (SC) 850 MULTI-MODE FIBER GIGABIT ETHERNET ADAPTER
956-22603	1000BASE-SX (SC) 1310 SINGLE-MODE FIBER GIGABIT ADAPTER (10KM)

INCLUDED IN THE PACKAGE

PCIe Gigabit Fiber NIC
Low Profile Bracket
Standard Profile Bracket
CD with Drivers

TAA COMPLIANT

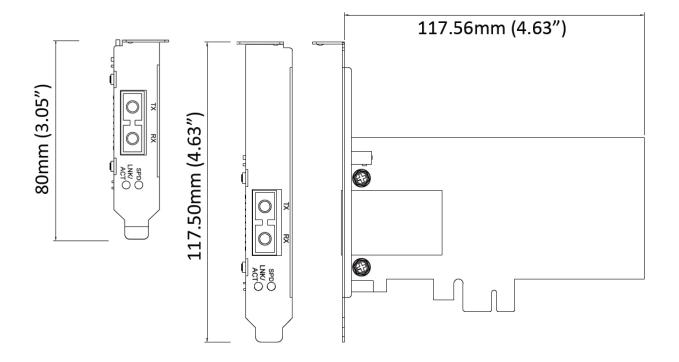# Gigabit PCIe Fiber Network Interface Card
956-22600 Series

SPECIFICATIONS

TECHNICAL STANDARDS
IEEE802.3z, 1000BASE-SX/LX

IEEE 802.3ab

IEEE802.1Q, VLAN tagging

IEEE802.1p, Priority Encoding, QoS

IEEE802.3x, Full duplex flow control

IPv4, IPv6

Jumbo Frame   9K bytes

PCIe1.1

DRIVER SUPPORT
Windows Vista, Windows 2003, Windows XP, Windows 7/8

Linux 2.4/2.6/3.x, UNIX 5.0.6 and 5.0.7

MacOS 10.4, 10.5, 10.6, and 10.7 (Intel-based)

2000Mbps full-duplex

REMOTE MONITORING
SNMP v1

Supports ASF (Alert Standard)

HARDWARE ACCELERATION
Checksum OffLoad (IP, TCP,UDP)
Large Send OffLoad (V1, V2)

INTERFACE
Fiber Port Gigabit fiber, SM or MM

PERFORMANCE
1,488,100pps for 1000Mbps

LED INDICATORS
LED Connector: Link/Activity, SPD

ENVIRONMENTAL
Operating Temperature	0°C to 45°C (32°C to 113°C)
Storage Temperature	-20°C to 70°C (-4°C to 158°C)
Ambient Relative Humidity	5%-95% non-condensing

POWER
3.3VDC, 970mA, 3.2W Max.

MECHANICAL
Low Profile Dimensions	80W x 117.6D mm (3.2W x 4.7D inches)
Standard Profile Dimensions	117.5W x 117.6D mm (4.7W x 4.7D inches)

EMISSIONS
FCC Part 15, Class B

CE, VCCI Class B

MECHANICAL DIAGRAM

Low Profile Version

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Ethernet Modules *category:*

Click to view products by B+B SmartWorx *manufacturer:*

Other Similar products are found below :

TDKEZW3 V23993-USB1029A 100-POE4 I210T1BLK X520QDA1 BCM84794A1KFSBG X520DA2OCP 808-38157 7506GX2 TC EXTENDER 2001 ETH-2S 105FX-SC-MDR 110FX2-SC BCM54291B0IQLEG 7000-P3201-P050150 750-1415 750-494 750-495 750-612 750-613 750-627 750-643 750-940 753-440 753-540 753-650/003-000 852-1322 852-1328 852-1812 852-1813 852-1816 LANTICK PE-0-16 LANTICK PE-16-0 RBMTXLITE-L4X2.X.X.X.X. USR-TCP232-T2 2017008 EKI-7708E-4F-AE EKI-7708E-4FP-AE EKI-7708G-4FP-AE 2352903-2 753-620 EGU-0702-SFP-T SW-125 SW-525 SW-725 1005957 1006191 304TX-N WIZ107SR_TTL ES-320 TDKEZW5