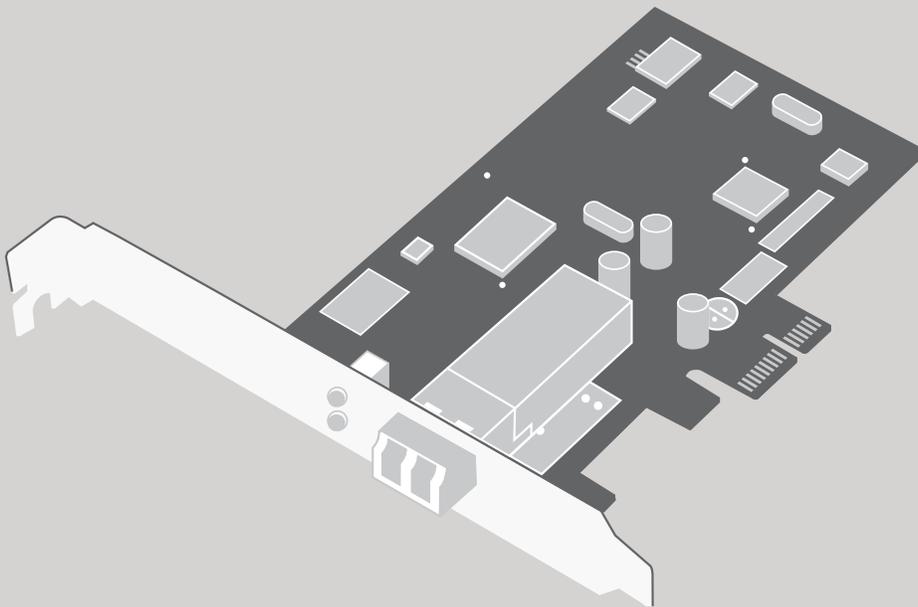


DATA SHEET

LH1690C-LC-R3

PCI-E NETWORK INTERFACE ADAPTER SX LC

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



BLACK BOX®

OVERVIEW/SPECIFICATIONS

NETWORK INTERFACE ADAPTER PCIE 1000BASE-SX LC (LH1690C-LC-R3)

INTRODUCTION

LH1690C-LC-R3 is a Fiber Gigabit Ethernet to PCIe bus adapter that fully complies with all IEEE 802.3z and 1000BASE-X standards. It provides up to 2000 Mbps full-duplex bandwidth capacity to support high-end servers. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides enhanced performance, flexible configuration and secure networking for users in a standards-based environment. Two LED indicators (LINK/ACT and FDX) on the bracket will help to oversee the board link, activities and full-duplex status.

FEATURES

- SUPPORTS HIGH-BANDWIDTH 1000 MBPS NETWORK SPEED
- COMPLIES WITH IEEE 802.3Z 1000BASE-X FIBER INTERFACE
- OPERATES IN FULL-DUPLEX MODE
- USES IEEE 802.3X FULL-DUPLEX FLOW CONTROL
- HAS (1) PCI-E BUS, COMPLIES WITH PCIE REV 1.1 INTERFACE
- SUPPORTS JUMBO FRAME
- OFFERS HIGH-LEVEL VLAN FILTERING
- SUPPORTS IP HEADERS AND TCP/UDP CHECKSUMS OFFLOAD
- ON-BOARD SCREENING OF VLAN TAGGED ETHERNET FRAMES
- SUPPORTS WAKE ON LAN
- COMPLIES WITH ROHS STANDARD

NETWORK INTERFACE ADAPTER PCIE 1000BASE-SX LC (LH1690C-LC-R3) SPECIFICATIONS

APPROVALS	FCC Class B, CE, RoHS, EMI
STANDARDS	IEEE 802.3z Gbit/s 1000BASE-X; IEEE 802.3x Full-Duplex Flow Control; IEEE 802.1Q VLANs
CONNECTORS	(1) 850 nm LC Multimode
FIBER CABLE SUPPORTED	62.5-/125- μ m, 50-/125 μ m multimode
INDICATORS	LEDs on bracket: (1) Link/Act, (1) FDX
DATA TRANSFER MODE	Full-duplex with flow control; 1000 Mbps speed
BUS SLOT	PCI-e 1.1 compliant
POWER	From the PCI-e bus; maximum 1.32 W +3.3 VDC at 0.4 A
SOFTWARE SUPPORTED	Microsoft Windows XP, Vista, Server 2008/R2, Windows 7, Windows 8/8.1, Server 2012; Novell Netware 5.x, 6.x Server; Novell Netware DOS Client for ODI 16-bit; NDIS2 driver Support DOS MS client, Lantastic, Lanman, Norton Ghost; Linux driver for kernel up to 4.7; FreeBSD 7.x and 8.0 driver
DIMENSIONS	Card only: 4.5 x 2.75 in. (11.43 x 6.98 cm); With bracket: 5 x 4.75 in. (12.7 x 12.06 cm)
WEIGHT	0.119 lb. (0.054 kg)
ENVIRONMENTAL	Operating Temperature: 32 to 104° F (0 to 40° C); Humidity: 5 to 90%

ABOUT BLACK BOX

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

DISCLAIMER

Black Box Corporation shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Corporation may revise this document at any time without notice.

