Product: 1000M Fiber Optic LAN Card

Features

- Plug and Play
- IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX
- High bandwidth 1000Mbps Network Speed
- Supports Full-Duplex Mode
- Compliant to ACPI 2.0 specification
- IEEE 802.3x Full-Duplex Flow Control
- IEEE 802.1Q VLANs
- IEEE 802.1p Priority Tagging
- IEEE 802.1p Quality of Service
- IP Multicast Filtering



Standards

- IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX
- IEEE 802.3x Full-Duplex Flow Control
- IEEE 802.1Q VLANs
- IEEE 802.1p Priority Tagging
- IEEE 802.1p Quality of Service
- Compliant to ACPI 2.0 specification
- Support PCI-E 1.0a interface with 2.5GHz signaling

Drivers

- Windows Setup Installer (32- and 64-bit) for Yukon Controllers
- DOS Diagnostic Utility for Yukon Devices
- Kernel 2.6.x Linux Driver Install Package for Yukon Devices
- Windows Vista x86 Driver (32-bit) for Yukon Devices
- Windows XP/Server 2003 x64 Driver (64-bit) for Yukon Devices
- Windows Vista x64 Driver (64-bit) for Yukon Devices
- Windows Server 2008 SP2 32-bit Driver
- Windows 7 & Server 2008 R2 x64 (64-bit)
- Windows 7 & Server 2008 R2 32-bit Driver
- Windows XP/Server 2003 x86 Driver (32-bit) for Yukon Devices

Overview

E-link LNK-LC1000 Series Single Port Fiber Gigabit PCI-E NIC (Network Interface Card) have two kinds of interface: 1X9 Module with SC Connector and SFP Module. It is a Fiber Gigabit Ethernet to PCI-EX1 bus adapter that fully complies with all IEEE 802.3z and 1000Base-SX/LX standards. LNK-LC1000-SC Series Single Port Fiber Gigabit PCI-E NIC support one SC Fiber port (Duplex Fiber/ Single Fiber Optional). LNK-LC1000-SFP Series Single Port Fiber Gigabit PCI-E NIC (Network Interface Card) support one SFP port (Duplex Fiber/ Single Fiber Optional). It can offer 1000Mbps Internet access, It provides up to 2000Mbps full-duplex bandwidth capacity to support high-end servers. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides added performance, flexible configuration and secure networking for users in a standard-based environment.

Technological Advantage

Eliminate server bottlenecks and migrate existing Category-5 networks to 1000M Gigabit Ethernet easily and cost-effectively with the LNK-LC1000 Series Sever Adapter. Featuring flexible, auto-negotiating performance, the LNK-LC1000 NIC (Network Interface Card) is designed to automatically scale with growing networks. The Adapter integrated hardware acceleration that performs TCP/UDP/IP checksum offload and TCP segmentation. The host processing offloads accelerators frees CPU for application processing. Supports advanced Networks software suite that includes increased fault tolerance, bidirectional load balancing, port aggregation, Jumbo Frame support, VLAN and server management software. With a flexible design that fits almost any type of PCI bus, the standards-based management features and wide network operating system support help to ensure extensive compatibility with the latest server and networking environments.

Technical Indexes

Product Model	LNK-LC1000 Series: Single Port Fiber Gigabit PCI-E NIC
Standards	IEEE802.3, IEEE 802.3ab, IEEE 802.3x, IEEE802.1q, IEEE802.1p, IEEE802.1z
Max Frame Size	9216B
Port Numbers	LNK-LC1000-SC Series: SC Connector*1（ Duplex Fiber / Single Fiber Optional）
	LNK-LC1000-SFP Series: SFP*1（ Duplex Fiber / Single Fiber Optional）
Media	Single Mode Fiber, Multi Mode Fiber
Transmitting Distance	Single Fiber SMF, 1310nm/1550nm(1490nm),20/40/60km
	Duplex Fiber SMF, 1310nm or 1550nm(1490nm), 20/40/60/km
	Duplex Fiber MMF, 850nm, 275~550m
Data Speed	1000Mbits/s (Half duplex), 2000Mbits/s (Full duplex)
BUS Slot	PCI-E x1 Standard Slot
Consumption	Max. 5.3W, +3.3VDC@1.6A
Ambient Temperature	Storage Temperature：-20℃～65℃； Storage humidity:5％～90％ RH Non-condensing
	Operation temperature：0℃～50℃；Operation humidity:10％～90％ RH Non-condensing

Ordering Information

Model	Description
LNK-LC1000-SC	1000M Fiber Optic LAN Card, 850nm, Duplex Fiber, MMF, SC Connector, Transmitting Distance: 550m
LNK-LC1000-SC-20	1000M Fiber Optic LAN Card, 1310nm, Duplex Fiber, SMF, SC Connector, Transmitting Distance: 20Km
LNK-LCS1000-SC-20	1000M Fiber Optic LAN Card, 1310nm TX/1550nm RX, Single Fiber, SMF, SC Connector, Transmitting Distance: 20Km
LNK-LC1000 -SFP	1000M Fiber Optic LAN Card, 1310nm, Duplex Fiber, MMF, SFP*1, Transmitting Distance: 2Km
LNK-LC1000 -SFP-20	1000M Fiber Optic LAN Card, 1310nm, Duplex Fiber, SMF, SFP*1, Transmitting Distance: 20Km
LNK-LCS1000-SFP-20	1000M Fiber Optic LAN Card, 1310nm TX/1550nm RX, Single Fiber, SMF, SFP*1, Transmitting Distance: 20Km