LevelOne

GNC-0103SX
32/64bit 1000SX Gigabit Ethernet Fiber
Adapter with SC Connector

GNC-0103MT
32/64bit 1000SX Gigabit Ethernet Fiber
Adapter with MT-RJ Connector

GNC-0103VF
32/64bit 1000SX Gigabit Ethernet Fiber
Adapter with VF-45 Connector

User`s Guide

Overview

LevelOne 32/64bit 1000SX Gigabit Ethernet Fiber Adapter is a Gigabit Ethernet Board that fully complies with all IEEE 802.3z, 1000Base-SX/LX standards. Four LED indicators (LINK, ACT, FDX and 1000Mbps) on the bracket will help to oversee the board link, activities, full-duplex and 1000Mbps speed status.

Model Description

LevelOne 32/64bit 1000SX Gigabit Ethernet Fiber Adapter Board Models:		
Fiber Transceiver	Wavelength	
SC multi-mode	850nm	**Default**
* SC single-mode	1310nm	option
* VF-45 multi-mode	850nm	option
* MT-RJ multi-mode	850nm	option
* MT-RJ single-mode	1310nm	option

*:VF-45 and MT-RJ are available upon request SC, MT single-mode are option

Package List

Before you start installing the LevelOne 32/64bit 1000SX Gigabit Ethernet Fiber Adapter board, verify that the package contains the following items:

— PCI-32/64bit 1000SX/LX Board
— LAN Driver Diskette
— This User's Manual

Please notify your sales representative immediately if any of the aforementioned

items is missing or damaged.

LevelOne 32/64bit 1000SX Gigabit Ethernet Fiber Adapter Configuration

For motherboards with automatic PCI configuration:

— No specific setup is needed

— You can enter the system BIOS setup menu to view or specify the interrupt line of the PCI slots

PCI Bus System & Configuration

- Ensure that the PCI machine does support master slots, INT multiple sharing and timing compatibility. Do not install PCI-64 board in PCI slave slots. Please refer to your PCI system manual and select the appropriate configuration settings

- When installing multiple PCI-64 boards at the server station, you should correctly configure the IRQ settings of the PCI slot. Up to four PCI-64 boards can be installed in a file server running NetWare system. The PCI-64 server boards share the same interrupt line with the driver supporting multiple INT services at a time. Each PCI-64 IRQ should not conflict with other board

- Gigabit fiber default operation is full-duplex with NWay flow control. The

operating mode should match at both ends' working status
- For DOSODI Client32 LAN driver, you must use **EMM386** version **4.49** or **higher**, and install both **DOS & EMM386** that came from the same DOS package to avoid software problems

LED Description

LED	Color	Function
LINK	Green	Lit when cable connection is good
ACT	Green	Blinks when any traffic is present
FDX	Green	Lit when full duplex mode is active
1000	Green	Lit when 1000Mbps speed is active

Network Parameter

	Multi-mode Fiber Cable and Modal Bandwidth			
IEEE 802.3z Gigabit Ethernet 1000SX 850nm	Multi-mode 62.5/125µm		*Multi-mode 50/125µm*	
	Modal Bandwidth	Distance	Modal Bandwidth	*Distance*
	160MHz-Km	220m	400MHz-Km	500m
	200MHz-Km	275m	500MHz-Km	550m
1000LX 1310nm	Single-mode Fiber 9/125µm			
	Single-mode transceiver is up to 5Km			