

EUT:100M NIC CARD

FCC ID:FSUG8000

KYE SYSTEMS CORP.

USER'S MANUAL

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CE Marking Warning

In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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Chapter 1 Introduction

The GF100TXMII Fast Ethernet PCI-Bus LAN adapter is a network adapter designed for connecting IBM PCs or the compatibles with PCI extension bus to networks. It is incorporated with a 10/100Mbps dual-speed RJ-45 connector with automatic speed detection function. This feature allows it to be connected to an IEEE802.3 10BASE-T standard or an IEEE802.3u 100BASE-TX standard Ethernet network.

Chapter 2 Hardware Installation

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Insert the GF100TXMII card driver program diskette in an available diskette drive, key in :

>A:\GFRSETUP.EXE

and <RETURN> The opening screen of the Configuration/Diagnostic/Driver Install program will appear.

By using GFRSETUP, you can also select the network operation system you are using from below list, driver related to the selected NOS will be copied into the appropriate path.

1. ALL Network OS
2. Novell NetWare v3.1x Server Driver
3. Novell NetWare v4.0x Server Driver
4. Novell NetWare v4.1x Server Driver
5. Novell NetWare Client32 Driver
6. NetWare Workstation ODI Driver (NETX)
7. NetWare Workstation ODI Driver (VLM)
8. Personal NetWare v1.x
9. Microsoft Windows 95
10. Microsoft Windows NT v3.5x
11. Microsoft Windows NT v4.0
12. Windows for Workgroup v3.11
13. Microsoft LAN Manager for DOS
14. Microsoft LAN Manager for OS/2
15. SUN PC-NFS v5.0 & v5.1
16. LAN Server v4.0
17. IBM LAN Server v4.0
18. Packet Driver
19. ARTISOFT LANTASTIC
20. SCO UNIX

Topologies : star
 Interface : 32-bit PCI-bus adapter
 Connectors : RJ-45
 Full duplex : supported
 LEDs : 2
 Interrupts : Auto Configuration
 I/O Addresses : Auto Configuration

Software Supported

Drivers : NetWare Server/Workstation, Windows NT and Windows 95, LAN Manager, Windows for Workgroups, ARTISOFT LANTASTIC, SUN PC-NFS, IBM LAN Server, Packet Driver, SCO Unix driver.

Operating Environment

Temperature
 Operating : 0°C to 50° C
 Humidity : 10% - 90% non-condensing

Hardware Certification

- FCC Part 15, Class B
- CE CISPR B
- VCCI Class B ITE
- AS/NZS 3548 Class B

Appendix A-1

Appendix A Technical Specifications

Specification

Standard : IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX
 Data rate : 10 Mbps, 100Mbps
 Protocol : CSMA/CD

Cables supported	Category 5 UTP/STP	2500 meters	205 meters
Network Diameter	2500 meters	100 meters	100 meters
Lobe Length	100 meters	RJ-45	RJ-45
Connector	RJ-45	100 Mbps	100 Mbps
Half-duplex	10 Mbps	200 Mbps	200 Mbps
Full-duplex	20 Mbps	One	One
Repeater Layers	Up to three	Optional	Recommended
Switching Hub	Optional		

LED Indicators

The LED indicators are used for following diagnoses.

LNK LED : Link indicator

ON¹ indicates good linkage between the GF100TXMIII and its supporting hub.

ACTIVE LED : TX & RX indicator

Blinking indicates network data is being transmitted & received.

Chapter 3 Driver Installation

GF100TXMIII supports many driver programs for various network operating systems. These programs are loaded on the driver diskette that goes with the GF100TXMIII package. Please refer to the README.DOC file in the sub-directory for each network OS on the diskette for complete instructions on how to install and use these driver programs.

An user-friendly setup program called GFRSETUP is provided to assist ease users to finish driver installation in one easy way.

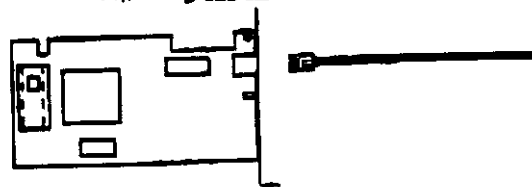


Figure 1. UTP/STP Connection

Plug the UTP/STP Category 5 cable to the RJ-45 connector on the adapter. The other end of the UTP/STP cable should go to a 10BASE-T or 100BASE-TX hub. The maximum length of the UTP/STP cable is 100 meters (from the computer to the hub). See the following figure for illustration.

Connect the network cable to the connector provided on the adapter.

Step 2. Connecting Network Cable

6. Close or replace the computer's cover.

8. Secure the adapter to the rear of the computer's chassis.

4. Insert the adapter in a PCI expansion slot.

3. If your order does not include the Boot ROM option, go ahead to the next. If your order includes the Boot ROM option, then install the Boot ROM chip by plugging the chip into the Boot ROM socket on the GF100TXMIII card.

2. Open or remove the computer's cover.

1. Turn off the computer's power. Remove all power cords.

computer.

FEDERAL COMMUNICATIONS COMMISSION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.