GE-1140A

Fiber NIC

GE-1140A:

PCI-X 64/32-Bit Gigabit 1000Base-X Fiber NIC

Key Features

- High bandwidth 1000Mbps Network Speed
- Supports Full-Duplex Mode
- Supports IEEE 802.3x Full-Duplex Flow Control
- Supports 32/64 bits PCI bus, compliant with PCI 2.2 Interface
- Supports PCI-X 1.0/2.0 64-bit
- Support Wake on LAN Enable/Disable
- Supports High Level VLAN Filtering Function
- Supports on-board verification of IP headers and TCP / UDP checksums for received data
- Supports on-board screening of VLAN tagged Ethernet frames
- RoHS Compliance

Overview

GE-1140A is a Fiber Gigabit Ethernet to 64 bits PCI-X bus adapter that fully complies with all IEEE 802.3z and 1000Base-SX/LX standards. 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. Two LED indicators (LINK/ACT and FDX) on the bracket will help to oversee the board link, activities and full-duplex status.

Using a jumper do WoL enable/disable setting, the default is disabled. Support Wake on LAN minimum requirement: The PC's 3.3V.AUX pin need output power consumption over 3.3 watts (the 3.3V Aux power current need over 1A) in the PCI bus.

Technical Specifications

- **Standards:**
  - IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX
  - IEEE 802.3x Full-Duplex Flow Control
  - IEEE 802.1Q VLANs
  - IEEE 802.1p Quality of Service
- **Connector:**
  - 850nm SC multi-mode (Default)
  - 850nm LC multi-mode
  - 1310nm SC, LC single-mode
  - 1550nm SC, LC single-mode
  - Option is available upon request
- **Fiber Optic Cable:**
  - 62.5/125, 50/125µm multi-mode
  - 9/125µm single-mode
- **Data Transfer Mode/Speed:**
  - Full duplex with flow control
  - 1000Mbps speed
- **Diagnostics LED on Bracket:**
  - LINK/ACT
  - FDX
- **Bus Slot:**
  - Supports 32/64 bits PCI bus, compliant with PCI 2.2 Interface
  - Supports PCI-X 1.0/2.0 64-bit
- **Power Requirement:** Max. 6.6W, +3.3VDC@2A
- **Ambient Temperature:** 0 to 50℃
- **Humidity:** 5% to 90%
- **PCB Dimensions:** 165(L) x 57.5(H) mm
- **Weight:** 0.07Kg
- **Emission:** Comply with FCC Part 15 Class B & CE Mark Approval
- **Software Support:**
  - Windows 2000
  - Windows 2003 Server
  - Windows 2008 Server
  - Windows XP
  - Windows NT4.0
  - Novell Netware 4.x, 5.x, 6.x
  - Linux
  - UnixWare 7.0
  - PXE & RPL Boot ROM
  - SCO Open Server
  - Solaris

Packing Information

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	50	9.5	10.5

Ordering Information

GE-1140ASC	PCI 64/32-Bit Gigabit 1000Base-X Fiber Card, SC Multi-Mode
GE-1140ALC	PCI 64/32-Bit Gigabit 1000Base-X Fiber Card, LC Multi-Mode
GE-1140ASC.S10	PCI 64/32-Bit Gigabit 1000Base-X Fiber Card, SC Single-Mode 10km
GE-1140ASC.S30	PCI 64/32-Bit Gigabit 1000Base-X Fiber Card, SC Single-Mode 30km
GE-1140ASC.S50	PCI 64/32-Bit Gigabit 1000Base-X Fiber Card, SC Single-Mode 50km

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Ruby Tech Corp.
3F, No.1, Lane 50, Nan Kang Road, Sec.3, Taipei, Taiwan
TEL:886-2-2785-3961 FAX:886-2-2786-3012

http://**www.rubytech.com.tw**
E-mail : rubytech@mail.rubytech.com.tw