



## 10M/100M PCIbus LAN Adapter **FXP-4TX**



### Feature

The FXP-4TX attaches to the PCI bus of a server to both broaden bandwidth and provide redundancy in the data path. It eliminates traffic bottlenecks between switching hubs and a server, and even offers downtime recovery to provide a fast and highly reliable data communication environment.

#### ■ The Load Balancing function broadens bandwidth to the server to clear data transfer bottlenecks

The FXP-4TX is equipped with four 10/100BASE-TX RJ-45 ports, and all these ports can be used to both receive and transmit data. It achieves data transfer rates approaching 800Mbps (full duplex: 200Mbps x 4) to clear heavy traffic bottlenecks between a server and switching hubs.

#### ■ The Fault Tolerance function secures a redundant path during down time

Whenever communication fails on a segment that contains a link consisting of multiple ports, remaining links take over the data communication. For instance, let's suppose that all of the four ports on the FXP-4TX are used to connect to a switching hub. Even when one of the ports fails, the remaining three ports take over the ongoing link. This way, the product offers redundancy in the data path in the event of communication failure.

\* To enable the Load Balancing and Fault Tolerance functions of the product, the supplied Load Balancing & Fault Tolerance utility must be installed after attaching a switching hub to the product.

#### ■ Configures a unique MAC address on each port

A unique MAC address has been assigned to each of the four ports on the FXP-4TX. This feature allows the user to create four LAN segments on the attached server, and the server may function as a router or a bridge in this configuration.

(A utility/program for running the server as a router or a bridge is required: it's not included in the product package.)

#### ■ Its VLAN and QoS features enable the construction of a highly flexible network

As the product supports IEEE802.1Q VLAN, it enables the creation of logical (virtual) network groups when the FXP-4TX is attached to an IEEE802.1Q compliant switching hub. Furthermore, the product supports IEEE802.1p QoS to allow priority management of data traffic that passes through the adapter.

\* VLAN and QoS functions are supported only under Windows2000.

## Specifications

<b>Product Model Number</b>	<b>FXP-4TX</b>
<b>Standards Conformance</b>	IEEE802.3 10BASE-T/IEEE802.3u 100BASE-TX
<b>Number of Ports</b>	10/100Mbps RJ-45 Port x 4 Ports
<b>Data Transfer Rate</b>	10Mbps/100Mbps CSMA/CD
<b>Access Method</b>	CSMA/CD
<b>Controler Chip</b>	DL10050B
<b>Flow Control</b>	Full Duplex: IEEE802.3x Half Duplex: Back Pressure
<b>Communication Mode</b>	Full Duplex/Half Duplex (Auto-Negotiation)
<b>Data Bus</b>	32bit PCI Rev.2.1 Bus Master
<b>Supported Media</b>	UTP/STP cables complying with the following standards 10Mbps:Category 3 or greater 100Mbps:Category 5
<b>LED Indicators</b>	LINK/ACT, 100M, FULL
<b>Power Consumption</b>	6.5W Max.
<b>Operating Temperatures</b>	0-40 degrees Celsius
<b>Operating Humidity</b>	35-85% (non-condensing)
<b>Dimensions</b>	173(W) x 121(D)mm
<b>VLAN</b>	IEEE802.1Q (Requires Windows2000)
<b>QoS</b>	IEEE802.1p (Requires Windows2000)
<b>Supported Platforms</b>	IBM PC/AT compatible with a PCI bus
<b>Supported OSes</b>	Windows 2000 Server or Advanced Server, Professional -Windows NT4.0 Server or Workstation, Service Pack6 or [Service Pack3 + NDIS Hot Fix]
<b>Supported Linux Kernel Versions</b>	Kernel 2.4.x (Tested and found to operate normally under Turbo Linux 7.1 and Red Hat Linux 7.1)
<b>EMI</b>	FCC Class B, CE Class B, VCCI Class B
<b>Package Contents</b>	FXP-4TX, Driver CD-ROM x 1, User's Manual and Load Balancing & Fault Tolerance Utility

▼ Product view

