

# NetBlaster™

## CompactPCI®

### ZX410 Series Multi-Channel Fast Ethernet Adapters



The ZNYX NetBlaster™ ZX410 Series is a family of Fast Ethernet adapters for CompactPCI systems. With an innovative, integrated design, the ZX410 Series is ideal for embedded and telephony applications.

#### Proven Design

The design of the ZX410 Series is based upon ZNYX's proven NetBlaster technology. The ZX410 Series is 100% software compatible with the NetBlaster PCI and PMC product families.

#### Flexibility

The ZX410 Series offers a choice of 2 or 4 Fast Ethernet channels for 3U or 6U CompactPCI slots. Multiple adapters can be used in the same system to address a broad range of Ethernet connectivity requirements.

#### Comprehensive Driver Suite

ZNYX has a broad driver suite that covers popular operating systems including:

Windows NT®	pSOS+®
Solaris®	LynxOS®
UnixWare®	QNX®
VxWorks®	Linux

#### High Availability Networks

ZNYX's RAINlink™ software provides redundant links and automatically detects failures and switches connectivity to a backup link. RAINlink enables the construction of high availability networks where network downtime is unacceptable.

#### Link Aggregation

RAINlink software provides link aggregation (trunking) to combine multiple Ethernet channels into a single high performance connection. RAINlink supports both system-to-system and system-to-switch trunking.

#### Portable Driver Kit

ZNYX's PDK is available to support proprietary and other operating systems across a number of microprocessors. The PDK is also available with RAINlink software.



- ▶ 3U or 6U CompactPCI slots
- ▶ 2 or 4 channels
- ▶ RAINlink software supports redundant links and fast failover for high availability applications.

ZNYX

**NetBlaster™**  
CompactPCI®

*Reliable*

Up to 800 Mbps  
data transfer



FAST ETHERNET ADAPTERS



Model Numbers	NetBlaster ZX412U3 two-channel Fast Ethernet for 3U slot NetBlaster ZX412U6 two-channel Fast Ethernet for 6U slot NetBlaster ZX414U3 four-channel Fast Ethernet for 3U slot NetBlaster ZX414U6 four-channel Fast Ethernet for 6U slot
Connectors	One RJ-45 per channel
Media	10BaseT: Category 3, 4 or 5 UTP; 100BaseTX: Category 5 UTP
Bus Interface	CompactPCI 2.1 Compatible
Data Transfer	PCI bus master with burst mode DMA capability
Host Channel Speed	1 Gbps (1,000 Mbps), 32 bit wide, 33Mhz PCI
Channel Speeds	Ethernet/Fast Ethernet: 10/100 or 20/200 per channel in full-duplex mode (IEEE Auto Negotiation)
Maximum Channels	Limited to CompactPCI slot availability
Hardware Interrupts	ZX412:PCI INT A,B; ZX414:PCI INT A,B,C,D
Reliability	Calculated MTBF > 100,000 hours (MIL HDBK 217)
Controllers	DECchip 21143 with DECchip 21152 PCI bridge
Power	ZX412:.68A @ 5V ZX414: 1.2A @ 5V
Safety	UL / c(UL)
Temperature	0 to 50°C (32 to 122°F)
Humidity	Maximum of 90%, non-condensing
Certifications	FCC part 15, Class B, CE, CISPR22 Class B, IEC 801-2, 801-3, 801-4
Dimensions	160mm x 100mm (3U formfactor)
LEDs	Link and activity (one per channel)
Driver Support	Windows NT, Solaris, UnixWare, VxWorks, pSOS+, LynxOS, QNX, Linux. Portable Driver Kits. See <a href="http://www.znyx.com">www.znyx.com</a> for latest driver information.
Manufacture	Designed and manufactured in the USA
Warranty	Limited lifetime, 30-day money-back guarantee*
Technical Support	Telephone, fax, email, World Wide Web

### High Availability LAN Solutions

ZNYX is the leading supplier of PCI, PMC and Compact PCI network adapters for commercial, industrial and telephony applications:

- ▶ Single and multi-channel LAN adapters
- ▶ RAINlink high availability software
- ▶ VLAN adapters for Cisco ISL and Token Ring ISL networks
- ▶ Drivers for Windows, NetWare, Mac OS, UNIX, RTOS and more
- ▶ Portable driver kit for custom environments

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\*Contact ZNYX for details.

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ZNYX