

Hot Swap



The NetBlaster ZX440 series is a fully featured product family of hot swappable CompactPCI Fast Ethernet adapters for high availability CompactPCI systems requiring state-of-the-art LAN interfaces.

Full Hot Swap Support

The ZX440 series is fully compliant with the PICMG 2.1 Hot Swap Specification. This includes support for the Hot Swap Control Status Register (HSCSR), power ramp circuitry, and standard blue LED insertion and de-insertion indicator.

Comprehensive Driver Suite

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

Windows NT®	PSOS+®
Solaris®	LynxOS®
UnixWare®	QNX®
VxWorks	Portable Driver Kits

Portable Driver Kits

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.

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.

- ▶ Fully compliant with PICMG 2.1 Hot Swap and CompactPCI 2.1 specifications.
- ▶ RAINlink software supports redundant links and fast failover for high availability applications.
- ▶ Available in two or four channel configurations for 3U and 6U slots providing maximum configuration flexibility.

NetBlaster™ CompactPCI®

Up to 800 Mbps
data transfer

FAST ETHERNET ADAPTERS



High
Availability



Model Numbers	NetBlaster ZX442U3 two-channel Fast Ethernet for 3U slot NetBlaster ZX442U6 two-channel Fast Ethernet for 6U slot NetBlaster ZX444U3 four-channel Fast Ethernet for 3U slot NetBlaster ZX444U6 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 compliant PICMG 2.1 Full Hot Swap compliant
Data Transfer	32 or 64 bit data PCI bus master with burst mode DMA capability
Host Channel Speed	32 or 64 bit data, 32 bit address at 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
Configuration	Plug-and-Play
Hardware Interrupts	PCI INTA# (supports shared interrupts)
Reliability	Calculated MTBF > 200,000 hours
Controllers	Intel 21143 with Intel 21554 Bridge
Power	1.2A @ 5V typical
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; 3U or 6U faceplate)
LEDs	Link and activity (one per channel) Blue Hot Swap Insertion/Deinsertion
Driver Support	Windows NT, Solaris, UnixWare, VxWorks, pSOS+, LynxOS, QNX. Portable Driver Kits. See www.znyx.com 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

Your Partner in Networking

ZNYX is a leading worldwide supplier of scalable, reliable network solutions for servers, workstations and desktop systems. First in the industry to ship single and multi-channel PCI Ethernet and Fast Ethernet adapters, ZNYX offers a full line of products for PC, UNIX and Macintosh computers, including:

- ▶ Network Link Services Software
- ▶ High Availability and High Performance Network Cluster Adapters
- ▶ Open Integrated Network Switches
- ▶ Single and Multi-Channel Fast Ethernet Adapters
- ▶ Configuration and Network Management Software

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*Contact ZNYX for details.

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Multi-
Channel
Fast Ethernet
Adapters

ZNYX