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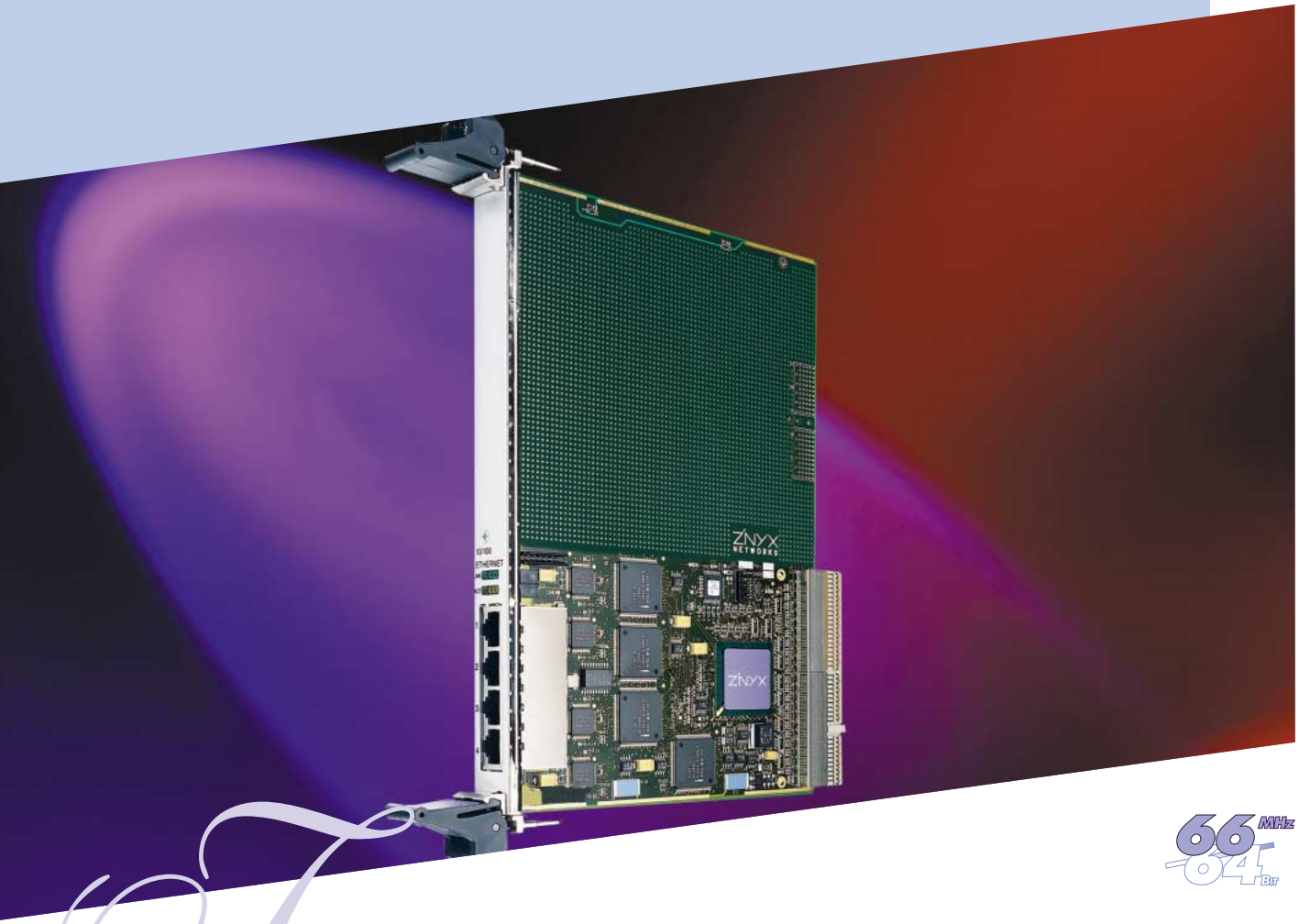
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Find the *ZNYX Networks ZX424U3* at our website: *Click HERE*

# ZNYX Networks™
## CompactPCI®

# ZX420 Series Multi-Channel Fast Ethernet Adapters



The ZNYX Networks ZX420 Series is a family of Fast Ethernet adapters for CompactPCI® systems. With an innovative, integrated design, the ZX420 Series is ideal for embedded and telephony applications.

### Fast and Wide PCI Bus

The ZX420 Series is the first multiport adapter to support a 66 MHz and 64 bit-wide PCI bus. Of course, the legacy 33 MHz or 32 bit bus is also supported.

### Proven Design

The design of the ZX420 Series is based upon ZNYX's proven hardware and software technology. It uses the most reliable, widely supported, components in the industry. As a result, the ZX420 Series is 100% software compatible with all the ZNYX Networks PCI, PMC, and PIM adapter and switch product families.

### Flexibility

The ZX420 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

The ZX420 Series has a broad driver suite that covers popular operating systems including:

- Windows NT®
- Solaris®
- VxWorks®
- FreeBSD
- BSDI
- LynxOS®
- Linux

### High Availability Networks

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

### Link Aggregation

RAINlink software also provides link aggregation (trunking) to combine multiple Ethernet channels and adapters into a single high performance connection. RAINlink supports both system-to-system and system-to-switch trunking. ZNYX's Portable Driver Kit (PDK) is available to develop RAINlink drivers to support proprietary and other operating systems or microprocessors.

- 66 or 33 MHz bus support
- 64 or 32 bit bus connection
- 2 or 4 channels
- 3U or 6U form
- RAINlink high availabilty drivers

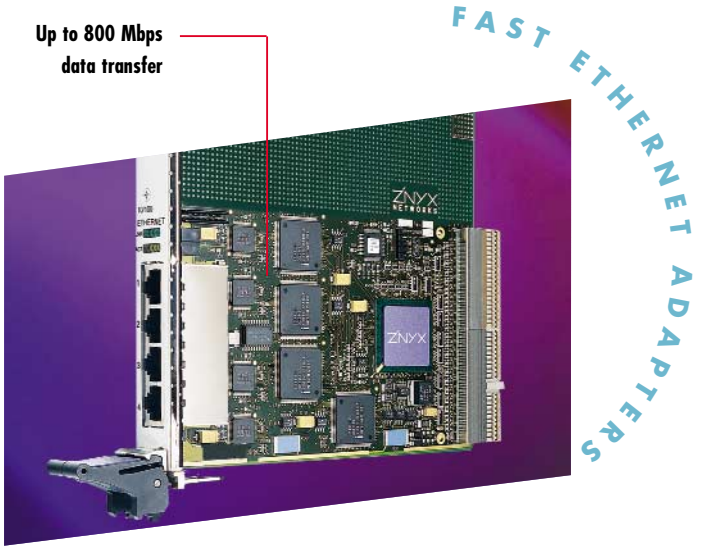
ZNYX NETWORKS

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# ZNYX Networks
CompactPCI®

*Reliable*

Up to 800 Mbps data transfer




**ZX420 Series Multi-Channel Fast Ethernet Adapters**

| | |
|---|---|
| Model Numbers | ZX422U3 two-channel Fast Ethernet for 3U slot<br>ZX422U6 two-channel Fast Ethernet for 6U slot<br>ZX424U3 four-channel Fast Ethernet for 3U slot<br>ZX424U6 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 | 64 bit wide, 66MHz PCI |
| Channel Speeds | Ethernet/Fast Ethernet: 10/100 Mbps (20/200 per channel in full-duplex mode. IEEE Auto Negotiation) |
| Maximum Channels | Limited to CompactPCI slot availability |
| Hardware Interrupts | ZX422:PCI INT A,B; ZX424:PCI INT A,B,C,D |
| Reliability | ZX422 Calculated MTBF > 130,000 hours (MIL HDBK 217)<br>ZX424 Calculated MTBF > 95,000 hours (MIL HDBK 217) |
| Controllers | Intel 21143-TD with Intel 21154-BC PCI bridge |
| Power | ZX422 - 1.0A @ 5V, 38mA @ +12V, 8mA @ - 12V<br>ZX424 - 1.7A @ 5V, 38mA @ +12V, 8mA @ - 12V |
| Temperature | 0 to 50°C (32 to 122°F) |
| Humidity | Maximum of 90%, non-condensing |
| Certifications | UL, cUL, CE |
| EMC/EMI | FCC Part 15; EN55022 and EN50082-1 (EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, ENV50204, EN61000-4-4, EN61000-4-5 EN61000-4-6, EN61000-4-11); CISPR22; VCCI; AS/NZS 3548; CNS 13438 - Class A |
| Safety | UL 1950, 3rd Edition; CAN/CSA C22.2 No. 950-95; IEC 950 2nd Edition with Amdts. No. 1, 2, 3, & 4; EN60950 with Amdts. 1, 2, 3, 4, & 11; EN45001 |
| Dimensions | 160mm x 100mm (3U form factor); 160 x 233.5mm (6U form factor) |
| LEDs | Link and activity (one per channel) |
| Driver Support | Solaris, VxWorks, LynxOS, Linux, BSDI, FreeBSD. Portable Driver Kit available. See www.znyx.com for latest driver information. |
| Manufacture | Designed and manufactured in the USA |
| Warranty | 1 (one) Year Limited Warranty |
| Technical Support | Telephone, fax, email, World Wide Web |

## *High Availability LAN Solutions*

ZNYX Networks is the leading supplier of CompactPCI Ethernet switches and PCI, PMC, PIM, and CompactPCI network adapters for commercial, industrial, and telephony applications:

- OpenArchitect Switches
- Single and multi-channel LAN adapters
- RAINlink high availability software
- Over 18 Ethernet drivers
- Portable driver kit for custom environments

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Document # DU0155-01

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