

# ABN-102

Dual Intel® 82540EM Gigabit Ethernet Controllers PCI Card with Bypass Function

## Features

- ▶ Switch automatically to bypass mode when Power fails or software hangs
- ▶ Standard PCI Universal bus, fully compliant with PCI Rev2.1
- ▶ Ethernet status and bypass mode pin-headers for optional LED display
- ▶ 10/100 Base-TX and 1000 Base-T Ethernet controller
- ▶ 1Gbps, 100Mbps Fast Ethernet, or 10Mbps data transfer via auto negotiation
- ▶ Hardware selectable (by Jumper setting) to normal or bypass mode after PCI reset
- ▶ Software programmable to select normal or bypass mode

## Specification

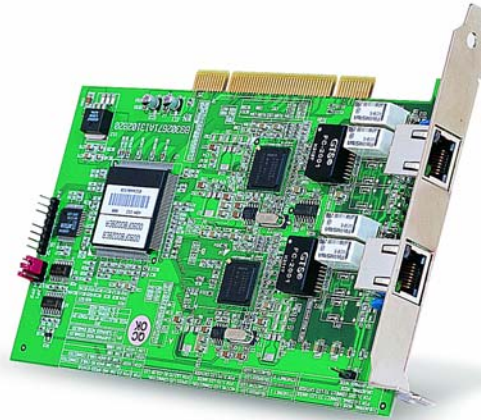
Ethernet Port	Dual Intel®82540EM Gigabit Ethernet Controllers 10/100 Base-TX and 1000 Base-T support
Bridge	Single Intel®21152 32-bit PCI-to-PCI bridge
PCI bus	32bit, 33MHz universal (5V or 3.3V) PCI card
Watchdog Timer	Build-in Watchdog Timer and Bypass function, which will bypass the Ethernet ports automatically when WDT time-out
Jumper setting	Selectable by Jumper setting to normal or bypass mode after PCI reset. Also software programmable to select normal or bypass mode
LED display	Two LEDs adjacent to each RJ45 port to display Active/Link & 10/100/1000Mbps speed
LED pin-head	Pin-heads reserved for LAN status and bypass mode for optional LED display
Dimension	176.5(W) x 107(D)mm 6.95"(W) x 4.21"(D)

## Ordering Guide

ABN-102 Dual Intel® 82540EM Gigabit Ethernet Controller PCI card with bypass function

## Applications

- ▶ Communications and networking devices requiring redundant performance over Ethernet network
- ▶ Gigabit Ethernet connectivity for embedded clients such as Web Kiosks and POS terminals



# ABN-112

## Dual Intel® 82551 Fast Ethernet PCI Card with Bypass Function

### Feature

- Switch automatically to by-pass mode while Power fails or software hangs
- Built-in watchdog timer to switch Ethernet ports to by-pass while power lost or software hang
- Ethernet status and by-pass mode Pin-headers for optional LED display
- Universal voltage input, supports both +3.3V and +5V
- Hardware selectable (by Jumper setting ) to normal or by-pass mode after PCI reset
- Software programmable to select normal or by-pass mode

### Specification

Ethernet Port	Intel® 82551 high performance IEEE 802.3 10/100BaseTX Ethernet controller
Bridge	Intel® 21152 32-bit PCI bridge
PCI bus	32bit, 33MHz universal (5V or 3.3V) PCI card
Watchdog Timer	Build-in watchdog timer to switch to by-pass mode for Ethernet ports while power fails or software hangs
Jumper setting	Selectable by Jumper setting to normal or by-pass mode after PCI reset. Also software programmable to select normal or by-pass mode/
LED display	Two LEDs adjacent to each RJ45 port to display Active/Link & 10/100Mbps speed
LED pin-head	Pin-heads reserved for LAN status and by-pass mode for optional LED display
Dimension	176.5(W) x 107(D)mm 6.95"(W) x 4.21"(D)

### Ordering Guide

ABN-112	Dual Intel® 82551 Fast Ethernet PCI card with by-pass function
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### Accessory Reference Table

Accessory	Description
Ethernet cable	CAT.6, Cross-over, orange, 1.8M
Ethernet cable	CAT.6, Straight, grey, 1.8M
Ethernet cable	CAT.5, Cross-over, grey, 2 M
Ethernet cable	CAT.5, Straight, black, 2 M
VGA Kit	3.3V PCI VGA Card
VGA Adaptor	PNA-VI00 VGA module
USB cable	USB cable assembly with dual USB ports
VGA cable	VGA Cable assembly with DB15 Connector
MiniPCI adaptor	ABMP-100 MiniPCI adaptor board
Null Modem Cable	Null Modem cable with DB9 female connector, 1.2M
USB Cable Kit	Cable with connectors between on-board pin header and back panel of chassis



# EZIO-100

Compact & fully integrated user interface for communication appliance

## Feature

- Typical user interface for communication appliance
- No driver is required; OS independent
- Alphanumeric characters display supported
- Keypad can be customized for different application
- For easier system installation and operation

## Specification

Display Screen	Two lines of 16 characters LCD display
Function Key	Four operation keys (Up, down, enter and escape)
Customization	8 self-defined icons
Interface to Host	Via serial port with pre-defined protocol
Dimension	101.6(W) x 44(D) x 26(H) mm 4"(W) x 1.73"(D) x 1.02"(H)

## Ordering Guide

EZIO-100-03A-kit Compact & fully integrated user interface for communication appliance

Ordering #	NAR-7070	NAR-7050	NAR-5070	NAR-5071	NAR-5072	NAR-5060	NAR-3061/3041	NAR-3020	NAR-2053/2054	NAD-2050/2051	PNA-3303	PNA-2413
B7861700	V	V	V	V	V							
B7861580	V	V	V	V	V							
B8762200	V	V	V	V	V	V	V	V	V	V	V	V
B7861610	V	V	V	V	V	V	V	V	V	V	V	V
B4720780	V	V										
A13-004		V				V	V				V	V
B7861800			V	V	V	V						
B690038S						V		V	V			
A13-017							V					
B7863030	V	V	V	V	V	V	V	V	V	V	V	V
B9970030									V	V		