



# 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

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## Applications

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