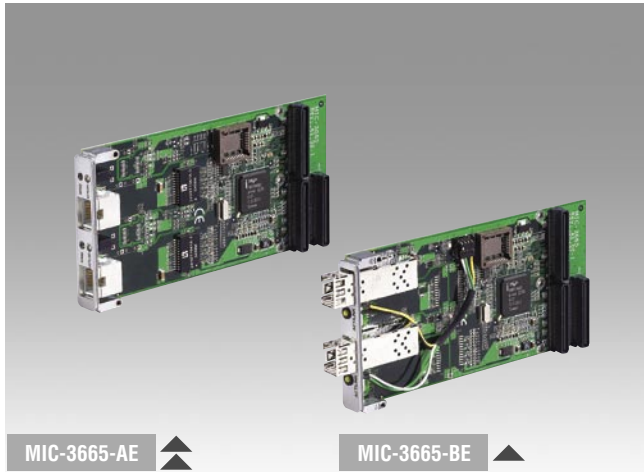


# MIC-3665

## Dual Gigabit Ethernet PCI-X PMC



### Features

- Intel® 82546GB Dual Port Gigabit Ethernet Controller
- Complies with IEEE 802.3 specifications for 1000Base-T, 100Base-TX, and 10Base-T (802.3, 802.3u, 802.3ab)
- Compliant with standard single-wide PMC IEEE P1386.1, PCI 2.3 and PCI-X 1.0a specifications
- Single-wide 32-bit/33 MHz 64-bit/66 MHz PCI, 100/133 MHz PCI-X PMC
- Supports dual Gigabit Ethernet copper (RJ-45) interfaces or dual fiber Gigabit Ethernet interfaces

### Introduction

The MIC-3665 is our most powerful CompactPCI® PCI-X 1.0a PCI Mezzanine Card (PMC) with dual high-performance 1000Base-T Gigabit Ethernet interface controller ports. The Ethernet network interface complies with IEEE 802.3 specifications for 1000Base-T, 100Base-TX, and 10Base-T. Full-duplex and half-duplex modes are supported for 10Base-T and 100Base-TX. 1000Base-T supports full-duplex mode only. The MIC-3665 is compliant with standard single-wide PMC IEEE P1386.1, PCI 2.3, and PCI-X 1.0a specifications.

MIC-3665 incorporates the Intel 82546GB Gigabit Ethernet controller which is able to support 1000 Mbps data rates. The controller is a single, compact component with two complete Gigabit Ethernet MAC and PHY layers, and it has a peripheral component interconnect (PCI) interface.

Advantech's MIC-3665 offers two kinds of Gigabit Ethernet interfaces: dual copper RJ-45 interfaces (MIC-3665-A), or dual fiber interfaces (MIC-3665-B). The Gigabit Ethernet fiber interfaces provide dual integrated low-powered MAC/SerDes (Serializer/Deserializer) functionality.

The MIC-3665 addresses applications requiring high-bandwidth system interconnection and PMC form factors, such as, data communication, LAN/WAN, industrial control and telecommunication applications.

### Specifications

|                          |  |  |  |
|--------------------------|--|--|--|
| Bus                      | PCI 2.3  | 32-bit/33 MHz, 64-bit/66 MHz   |  |
|                          | PCI X 1.0a   | 100/133 MHz  |  |
| Ethernet                 | Interface  | IEEE 802.3 Ethernet interfaces for 1000Base-T, 100Base-TX, and 10Base-T applications (802.3, 802.3u, 802.3ab). |  |
|                          | Controller   | Intel 82546GB  |  |
|                          | Connector  | Dual fiber Gigabit Ethernet interfaces or Dual copper(RJ-45) Gigabit Ethernet interfaces                       |  |
| Power                    | Power Consumption  | 6 W  |  |
| Environment              |  | Operating  | Non-Operating                          |
|                          | Temperature  | 0 ~ 55° C (32 ~ 131° F)  | -40 ~ 60° C (-40 ~ 140° F)             |
|                          | Humidity   | -  | 95 % @ 60° C (non-condensing)          |
|                          | Vibration (5 ~ 500 Hz)   | 1.0 Grms   | 95 % @ 60° C (non-condensing)<br>2.0 G |
| Operating System         | Compatibility  | Windows® XP Professional<br>Windows 2000 Professional<br>Windows NT 4.0<br>Linux kernel 2.4.x                  |  |
|                          |  | Dimensions   | 74 x 149 mm (2.9" x 5.78")             |
| Physical Characteristics | Weight   | 0.3 kg (0.66 lb)   |  |
|                          | Reliability  | MTTR   | 5 minutes                              |
| Compliance               | PICMG 2.0 R3.1 CompactPCI Specifications<br>IEEE P1386.1 PMC Specification |  |  |

### Ordering Information

| Part Number | Description   |
|-------------|---|
| MIC-3665-AE | CompactPCI PMC with dual copper (RJ-45) Gigabit Ethernet interfaces |
| MIC-3665-BE | CompactPCI PMC with dual fiber Gigabit Ethernet interfaces          |
| 1255100030  | HFBR-57M5AP Transceiver module for Fiber Channel                    |