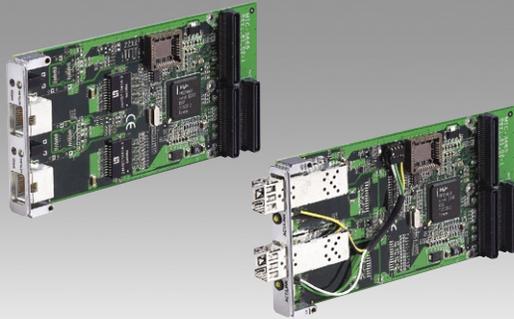


MIC-3665

Dual Gigabit Ethernet PCI-X PMC

NEW



MIC-3665-A

MIC-3665-B

CE FCC

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 high-performance dual 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 factor, 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	Temperature	Operating 0 ~ 55 °C (32 ~ 131 °F) Non-Operating -40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	- 95 % @ 60 °C (non-condensing)
	Vibration (5-500 Hz)	1.0 Grms 2.0 Grms
Operating System	Compatibility	Windows XP Professional Windows 2000 Professional Windows NT 4.0 Linux kernel 2.4.x Solaris FreeBSD kernel 4.7 through 4.9
Physical Characteristics	Dimensions	74 x 149 mm (2.9" x 5.78")
	Weight	0.3 kg (0.66 lb)
Reliability	MTTR	5 minutes
Compliance	Standard	PICMG 2.0, R3.1 CompactPCI Specifications IEEE P1386.1 PMC Specification

Ordering Information

Part Number	Description
MIC-3665-A	CompactPCI PMC with dual copper (RJ-45) Gigabit Ethernet interfaces
MIC-3665-B	CompactPCI PMC with dual fiber Gigabit Ethernet interfaces
1255100030	HFBR-57M5AP Transceiver Module for Fiber Channel