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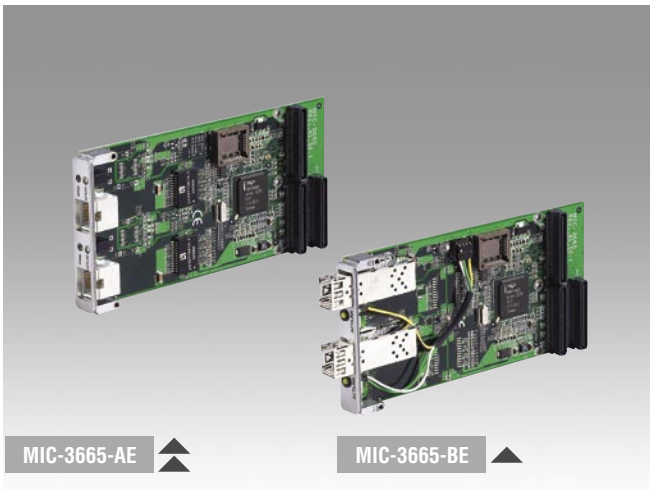
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MIC-3665

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

RoHS COMPLIANT 2002/95/EC CE FCC

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) 95 % @ 60° C (non-condensing)
	Humidity	-	95 % @ 60° C (non-condensing)
	Vibration (5 ~ 500 Hz)	1.0 Grms	2.0 G
Operating System	Compatibility	Windows® XP Professional Windows 2000 Professional Windows NT 4.0 Linux kernel 2.4.x	
Physical Characteristics	Dimensions	74 x 149 mm (2.9" x 5.78")	
	Weight	0.3 kg (0.66 lb)	
Reliability	MTTR	5 minutes	
Compliance	PICMG 2.0 R3.1 CompactPCI Specifications 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

All product specifications are subject to change without notice

Mouser Electronics

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Advantech:

MIC-3665-BE MIC-3665-AE

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