MIC-3667

Quad Ports Gigabit Ethernet XMC

Features

- Intel® Ethernet Controller I350-AM4
- Four 10 / 100 / 1000Base-T Ethernet ports (RJ45 connectors)
- PCIex4 gen2 host interface
- UDP, TCP and IP Checksum Offload
- UDP and TDP Transmit Segmentation Offload
- VMDq and SR-IOV Support with 8 RX and 8TX queues per port
- Parity or ECC protected buffers
- Fully Integrated to comply with IEEE802.3u
- Compliant with VITA 42.0-2005, 42.3-2006 XMC specifications

Introduction

The MIC-3667 is a low power, quad-port Gigabit Ethernet XMC based on the Intel® Ethernet Controller I350-AM4. It provides four copper Gigabit Ethernet interfaces at the front panel on RJ45 connectors. With a PCIex4 gen2 host interface, the MIC-3667 can support line rate traffic on all ports. Using intel's latest controller technology, the card provides a wealth of offload and virtualization support capabilities to minimize the burden of handling network traffic on the hosting platform.

With a power dissipation as low as 4W, the MIC-3667 is perfectly suited for use in rugged requirements and applications with passive cooling. The board is prepared for conformal coating required for harsh environments.

Specifications

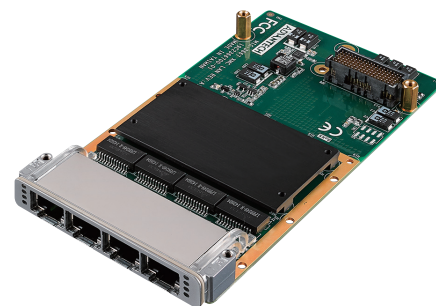|			
XMC Connectivity	Connector	P15	
	Host interface	Gen.2 @ 5Gbps/lane	
Ethernet	Interface	IEEE 802.3x Ethernet interface four 10/100/1000Base-T interfaces	
	Controller	Intel® I350 quad GbE MAC/PHY	
	LED	4x2 status LEDs to signal link status and activity	
	Connector	Four standard 8-pin RJ45 connectors	
Power	Power Consumption	4 W	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F)	-40 ~ 85° C (-40 ~ 185° F)
	Humidity	95% @ 40° C, non-condensing	95% @ 60° C, non-condensing
	Vibration	2.0 Grms	
Software Support		Windows®; Linux	
Physical Characteristics	Dimensions (W x D)	74 x 139 mm (2.9" x 5.39"), 1-slot width	
	Weight	0.240 kg (0.529 lbs) with heat sink	
Compliance		IEEE Std 1386.1-2001 PMC specification	
		VITA 42.0-2005, 42.3-2006 XMC specifications	

Related Products

CPU Board
MIC-3395, MIC-3396, MIC-3397, MIC-3328, MIC-3329, MIC-6311, MIC-6313, MIC-6314 series

Ordering Information

Part Number	Description
MIC-3667-AE	XMC with quad Gigabit Ethernet interfaces

Note: For ruggedized options including conformal coating, please contact your Advantech representative.

MIC-3667-AE

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