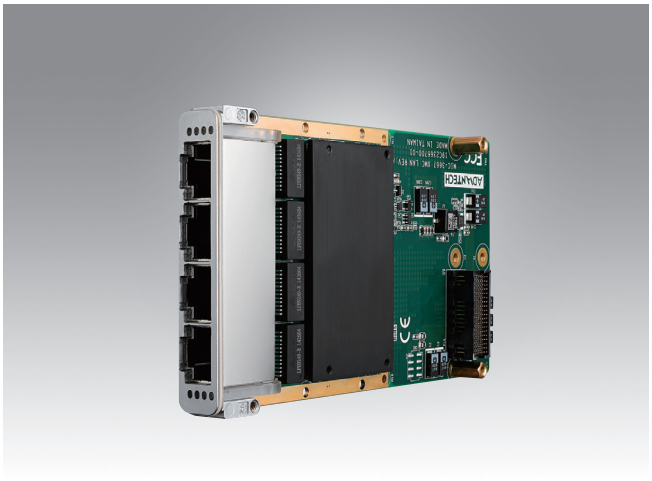
MIC-3667

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 host CPU 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	

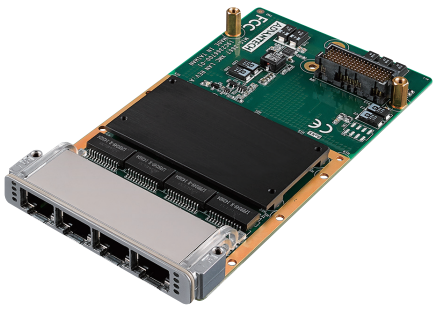
Related Products

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

https://advavee.com