AMC Dual Port Gigabit Ethernet Module

AMC203

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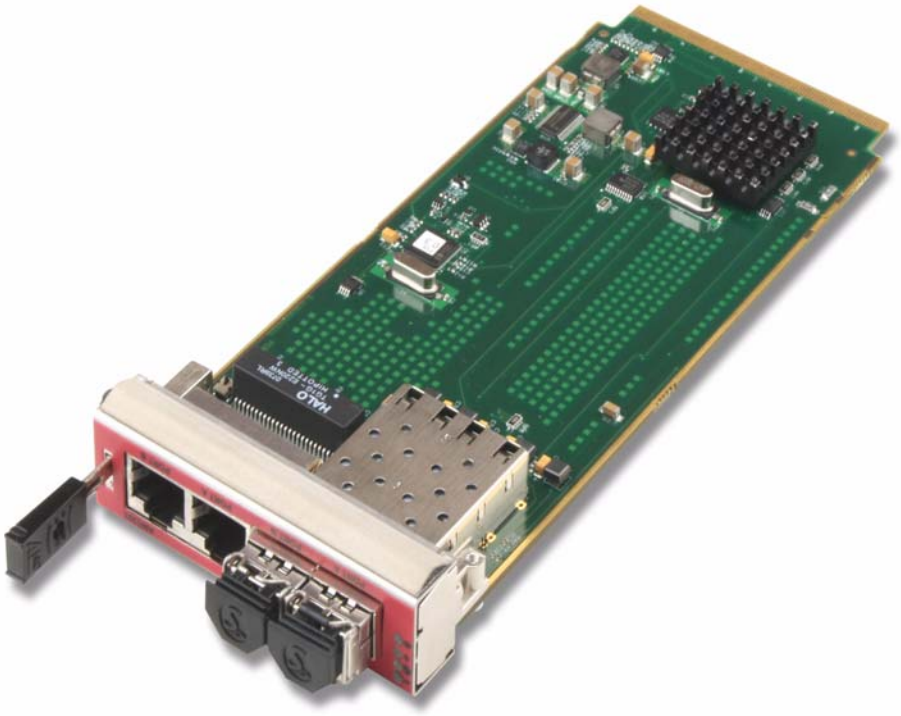

KEY FEATURES

- AMC.1 compliant
- Mid-height (full-height options available)
- Two Gigabit Ethernet ports
- PCIe x4 lanes
- Fiber or copper interface
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The AMC203 is a dual-port Gigabit Ethernet AdvancedMC™ (AMC). VadaTech offers this product in a single-width, mid-height (option for full-height) form factor based on the AMC.1 specification. The Dual port GbE ports have options for either RJ-45s or fiber SFP connectors. The SFP LC style Fiber come with either SX or LX transceivers. Connectors such as the MT-RJ or VF-45 may also be substituted.

The AMC203 allows customers to use a single part number and configure the dual port in any combination of Fiber or copper.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

AdvancedMC™

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AMC Dual Port Gigabit Ethernet Module

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Single-Width, Half-Height (with Mid or Full-Height options)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	**AMC GbE Module**	Two port Gigabit Ethernet
		10/100/1000 Mbps operation - Copper
		1000 Mbps operation - Fiber
		IP, TCP, and UDP checksum offloading capabilities
Standards		
AMC	**Type**	AMC.1
Module Management	**IPMI**	IPMI Version 2.0
PCIe	**Lanes**	x4
Configuration		
Power	**AMC203**	3W
Environmental	**Temperature**	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	**Interface Connectors (See Ordering Options)**	Two copper RJ-45 Connectors
		Two fiber LC Connectors with SX Transceivers (850nm)
		Two fiber LC Connectors with LX Transceivers (1310 nm)
		The AMC203 can be purchased with MT-RJ or VF-45 (contact sales)
	LEDs	IPMI Management Control
		Activity and Link
	Mechanical	Hot Swap Ejector Handle
Software Support	**Operating Systems**	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 217-F > 580,000 Hrs.	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS and NEBs	
Warranty	The AMC203 is warranted for a period of two (2) years.	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	
Notes	The Half-Height front panel is a patent-pending design. Contact your Sales representative for more information.	

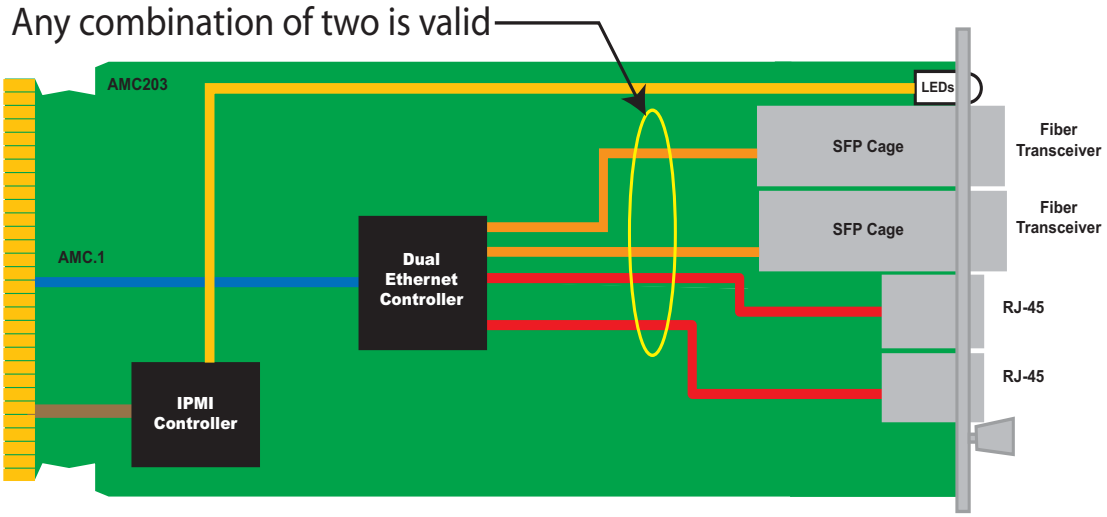

FIGURE 1. AMC203 Functional Block Diagram

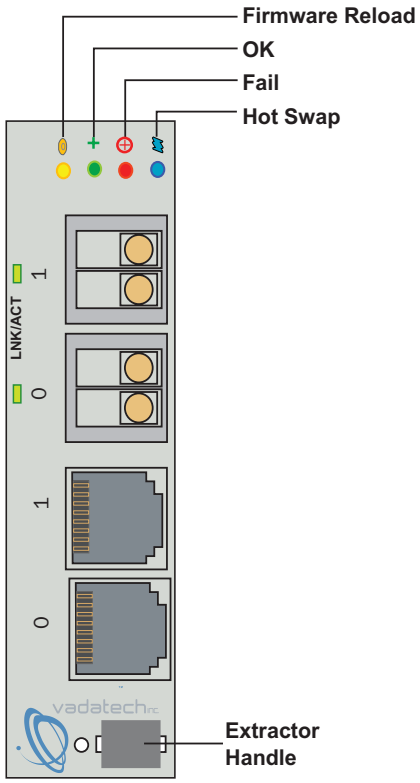

FIGURE 2. AMC203 Front Panels

ORDERING OPTIONS

AMC203 - A0C - 000 - 00J

A = SFP Interface Transceiver

0 = None
1 = FIber LC/SX (850nm)
2 = Fiber LC/LX (1310nm)

C = Front Panel Height

1 = Reserved
2 = Mid-Height
3 = Full-Height

J = Conformal Coating

0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

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