AMC Four Port Gigabit Ethernet Module

AMC204

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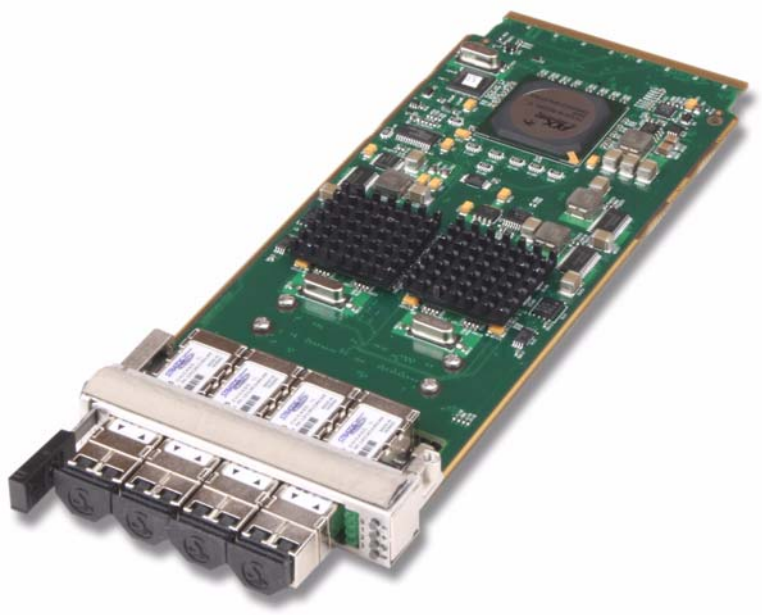

KEY FEATURES

- AMC.1 and/or AMC.2
- Single-width, half-height* (mid-height and full-height options available)
  - — *Patent-pending design allows standard front panel I/O connectivity in a half-height AMC compliant form factor
- Four Gigabit Ethernet ports
- PCIe x8 lanes
- Optional fiber or copper front panel interface
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - — Linux
  - — Windows
  - — Solaris
  - — VxWorks

The AMC204 is a four port Gigabit Ethernet (GbE) AdvancedMC™ (AMC) based on patented technology. VadaTech offers this product in a single-width, half-height form factor based on the AMC.1 specification (option for mid-height and full-height design, see ordering options). The ports have options for either copper RJ-45 or fiber LC connectors. The fiber LC connectors come with either SX or LX transceivers. Connectors such as the MT-RJ or VF-45 may also be substituted.

The AMC204 can be ordered with AMC.2 compliance where two of the GbE ports are routed to the rear.

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

AdvancedMC™

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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**	Four 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 and/or AMC.2
Module Management	**IPMI**	IPMI Version 2.0
PCIe	**Lanes**	x8
Configuration		
Power	**AMC204**	8W
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)**	Four copper RJ-45 connectors
		Four fiber LC connectors with SX transceivers (850nm)
		Four fiber LC connectors with LX transceivers (1310 nm)
		AMC.2 with two copper RJ-45 connectors
		AMC.2 with two fiber LC connectors and SX transceivers (850nm)
		AMC.2 with two fiber LC connectors and LX transceivers (1310nm)
		The AMC204 can be purchased with MT-RJ or VF-45 connectors (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 >279,000 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	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.	

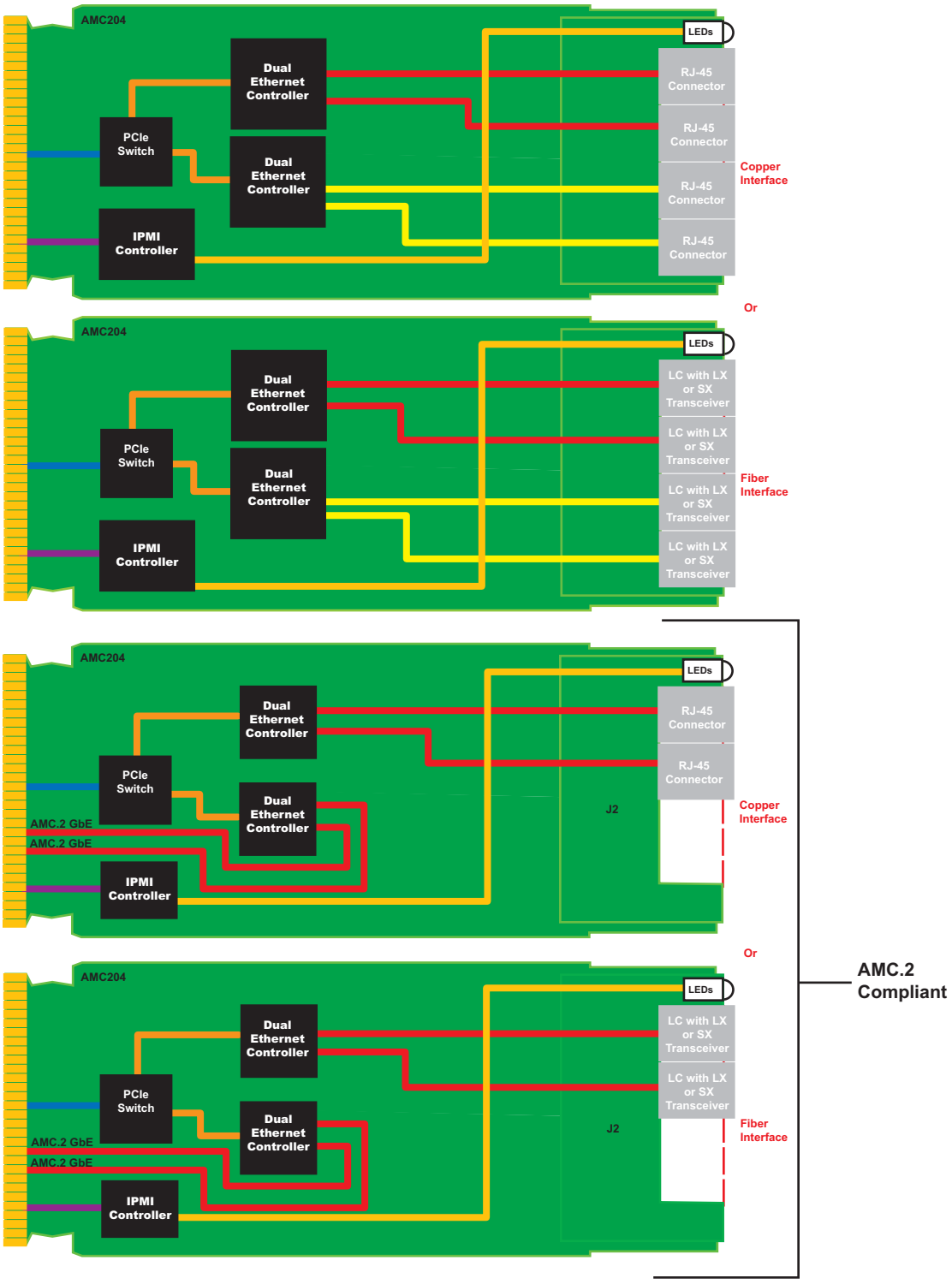

FIGURE 1. AMC204 Functional Block Diagram

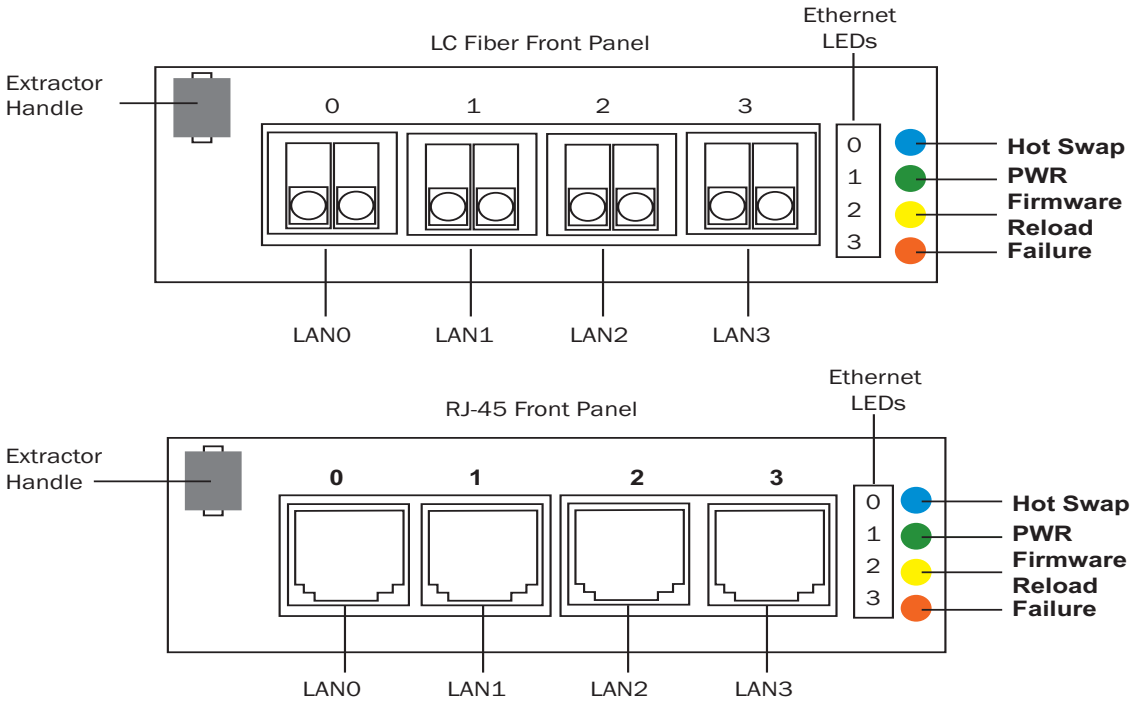

FIGURE 2. AMC204 Front Panels

ORDERING OPTIONS

AMC204 - A0C - 000 - 00J

A = Front Panel Interface

1 = Copper RJ-45
2 = Fiber LC/SX (850nm)
3 = Fiber LC/LX (1310nm)
4 = AMC.2 with two copper RJ-45
5 = AMC.2 with two fiber LC/SX (850nm)
6 = AMC.2 with two fiber LC/LX (1310nm)

C = Front Panel Height

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

J = Conformal Coating

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

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