



### KEY FEATURES

- AMC.1 compliant
- 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
- Two Gigabit Ethernet ports
- PCIe x4 lanes
- Optional fiber or copper front panel interface
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The AMC202 is a dual-port Gigabit Ethernet AdvancedMC™ (AMC). VadaTech offers this product in a single-width, half-height (options for mid-height and full-height, see ordering options) form factor based on the AMC.1 specification. The AMC202 provides two Gigabit Ethernet ports. The ports have options for either RJ-45s or fiber LC connectors. The LC connectors come with either SX or LX transceivers. Connectors such as the MT-RJ or VF-45 may also be substituted.

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

**AdvancedMC™**

# 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	AMC202	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 AMC202 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 > 603,000 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 AMC202 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.	

# AMC Dual Port Gigabit Ethernet Module

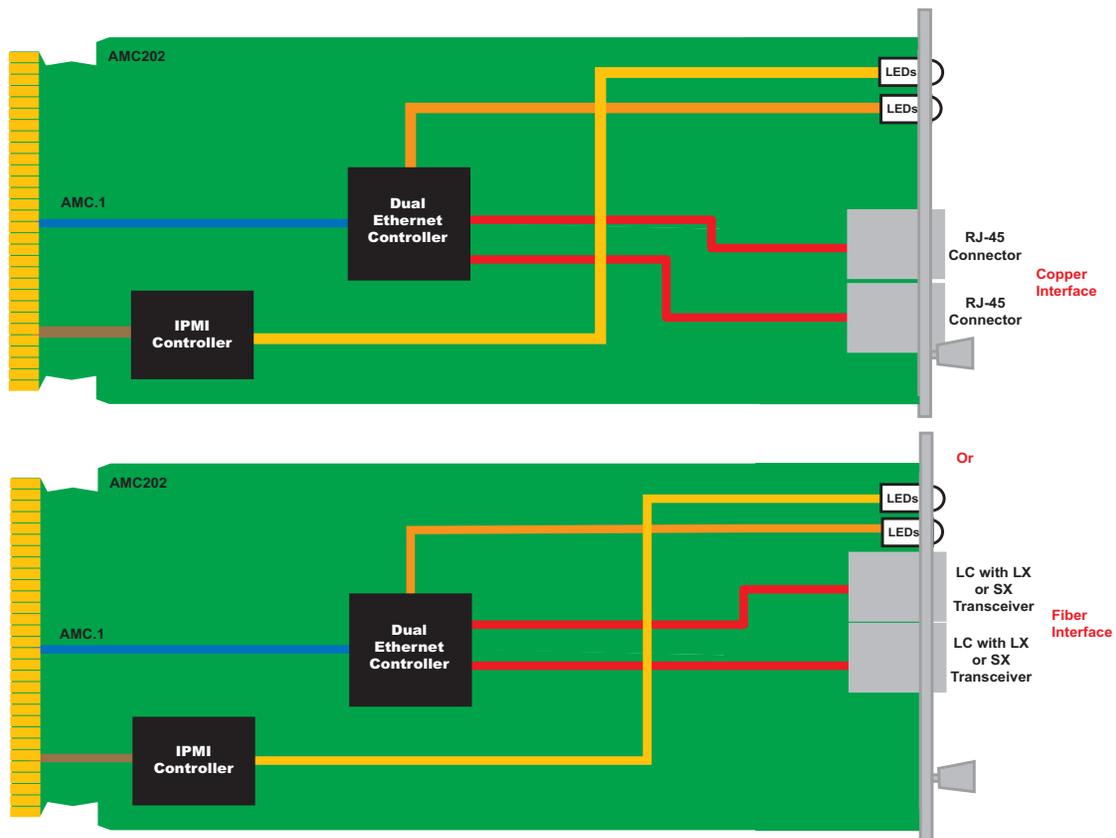


FIGURE 1. AMC202 Functional Block Diagram

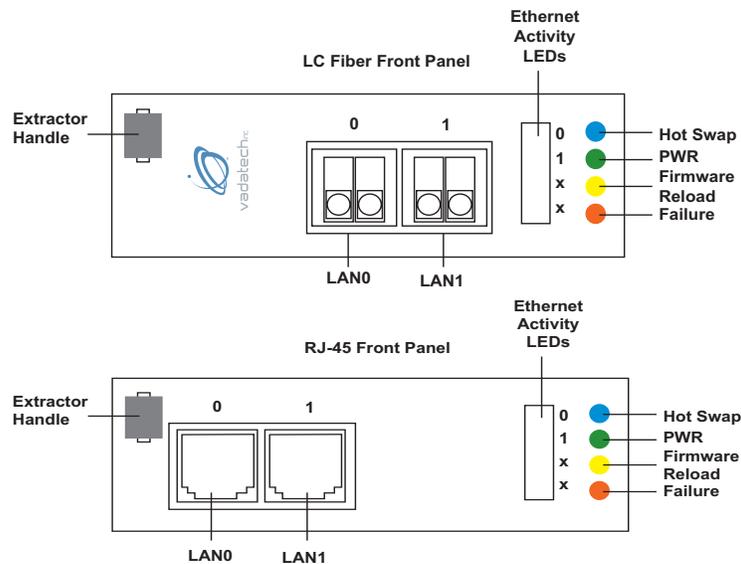


FIGURE 2. AMC202 Front Panels

# AMC Dual Port Gigabit Ethernet Module

## ORDERING OPTIONS

AMC202 - AOC - 000 - 00J

**A = Front Panel Interface**

- 1 = Copper RJ-45
- 2 = Fiber LC/SX (850nm)
- 3 = 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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