



### KEY FEATURES

- AMC.2 compliant (XAUI based)
- 10GbE via SFP+
- XFI-to-XAUI operation
- Integrated Loopback and Line Timing Functionality
- Fully Adaptive Electronic Dispersion Compensation (EDC)
- Integrated BER Tester, and PRBS, Packet, and programmable Pattern Generation and checking.
- Compliant to applicable IEEE and INCITS specs
- OS support for:
  - OS independent

The AMC215 is a single-width, mid-height AdvancedMC™ (AMC) based on the AMC.2 specification (available in full-height). The AMC215 provides Dual 10 Gigabit Ethernet via SFP+.

VadaTech AMC215 converts ports 4-7 and 8-11 which are XAUI based for 10GbE applications to SFP+. This allows the ports to be uplink to other systems via front panel Fiber.

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

**AdvancedMC™**

# AMC dual XAUI to dual SFP+ (10GbE)

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width, Mid-Height Front Panel (option for full-height)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	AMC Ethernet	10GbE
		Dual-port
		10 Gb/s per port
Standards		
AMC	Type	AMC.2
Module Management	IPMI	IPMI Version 2.0
XAUI	Ports	4-7 and 8-11
Configuration		
Power	AMC215	5W
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
Front Panel	Relative Humidity	5 to 95 percent, non-condensing
	Interface Connectors	Dual SFP+ Connectors
	LEDs	IPMI Management Control Activity
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Independent
Other		
MTBF	MIL Handbook 217-F > TBD 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.	

# AMC dual XAUI to dual SFP+ (10GbE)

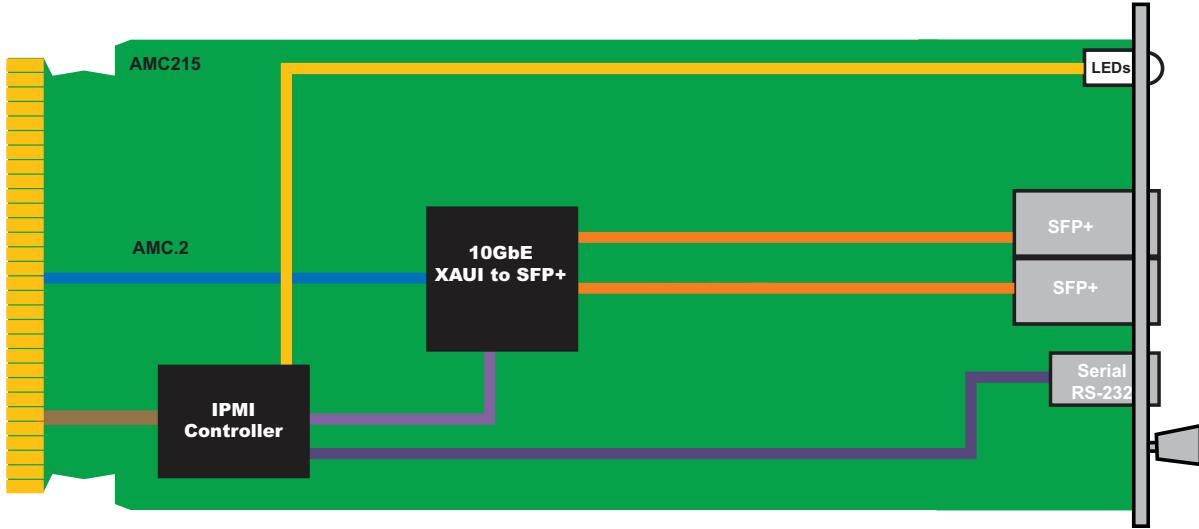
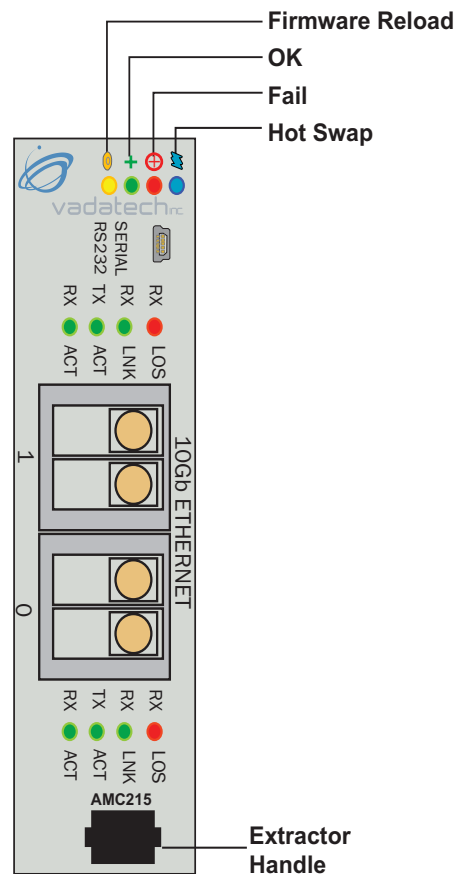


FIGURE 1. AMC215 Functional Block Diagram

FIGURE 2. AMC215 Front Panel



# AMC dual XAU to dual SFP+ (10GbE)

## ORDERING OPTIONS

### AMC215 - AOC - 000 - OHJ

#### A = SFP+ Transceivers

- 0 = None
- 1 = 10GBASE-SR
- 2 = Reserved
- 3 = 10GBASE-LRM
- 4 = 10GBASE-LR

#### H = Operating Temp

- 1 = Commercial
- 2 = Industrial

#### 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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