

AMC213

Dual 1000Base-BX to Dual Copper (GbE), AMC



AMC213

Key Features

- AMC.2 compliant (1000Base-BX)
- GbE via RJ-45
- 1000Base-BX to Copper (1000 Mbit)
- OS support for OS independent

Benefits

- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

AdvancedMC™



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AMC213

The AMC213 is a single module, half-height AdvancedMC™ (AMC) based on the AMC.2 specification (option for mid or full-size available). The AMC213 provides Dual Gigabit Ethernet via RJ-45.

VadaTech AMC213 converts ports zero and one which are 1000Base-BX for GbE applications to Copper (1000 Mbit). This allows the ports to be uplink to other systems via front panel Copper interface.

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



Figure 1: AMC213

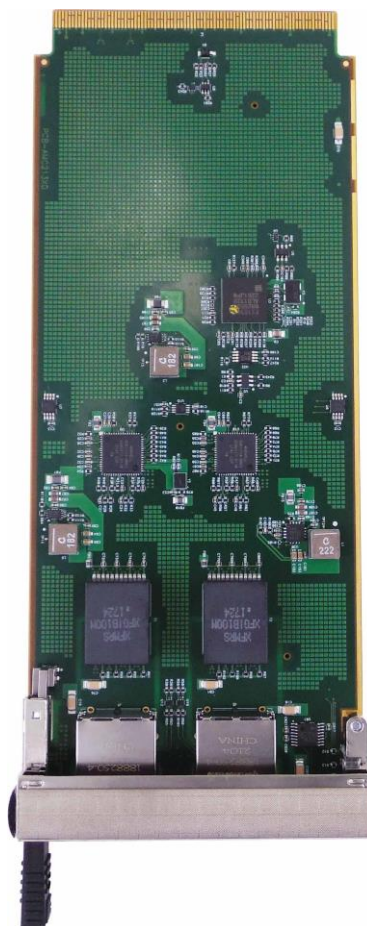


Figure 2: AMC213 Top View

Block Diagram

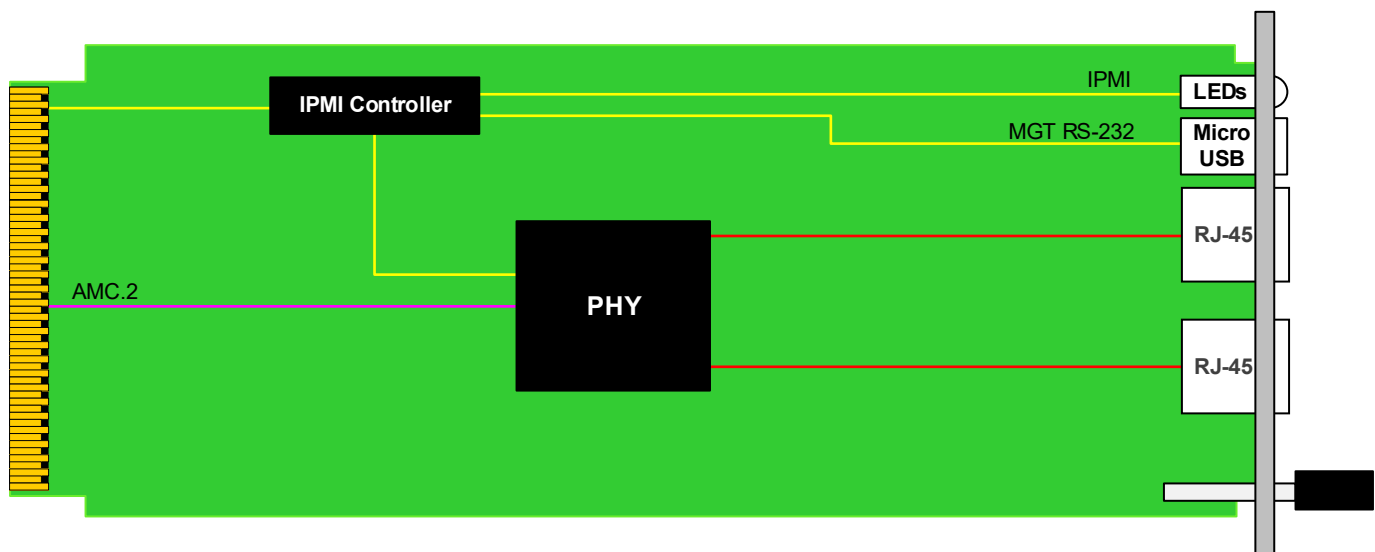


Figure 3: AMC213 Functional Block Diagram

Front Panel

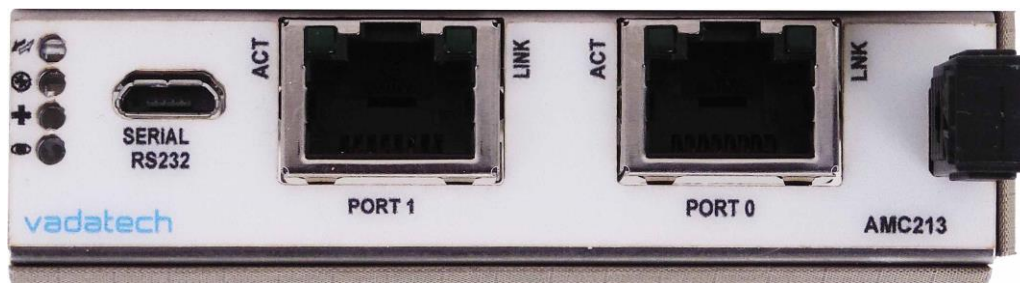


Figure 4: AMC213 Front Panel

Specifications

Architecture		
Physical	Dimensions	Single module (mid-size and full-size optional)
		Width: 2.89" (73.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC Ethernet	GbE
		Dual Port
		Gb/s per Port
Standards		
AMC	Type	AMC.2
Module Management	IPMI	IPMI v2.0
	Ports	0 and 1
Configuration		
Power	AMC213	3 W
Environmental	Temperature	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM). See environmental spec sheet
		Storage Temperature: -40° to +90°C
	Vibration	1G, 5 to 500 Hz on each axis
	Shock	30Gs on each axis
	Relative Humidity	5 to 95% non-condensing
Front Panel	Interface Connectors	Dual RJ-45
		Micro USB
	LEDs	IPMI management control
		Activity, Link
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Independent
Other		
MTBF	MIL Hand book 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	
Warranty	Two (2) years, see VadaTech Terms and Conditions	

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Ordering Options

AMC213 – 00C-000-0HJ

		H = Operating Temperature
		1 = Commercial 2 = Industrial
C = Front Panel Size		J = Conformal Coating
1 = Half-size 2 = Mid-size 3 = Full-size 4 = Reserved 5 = Reserved 6 = Mid-size, MTCA.1/4 7 = Full-size, MTCA.1/4 8 = Reserved		0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Related Products

UTC002



- 400 MHz CPU with 64 MB DDR for MCMC (MicroTCA Carrier Management Controller) and Shelf Manager
- Layer 2 managed GbE to each AMC (optional)
- Non-blocking PCIe Gen 3 (x4), to each slot with option for SRIO or 10 GbE (Layer 2 managed)

UTC010



- Dual -36 V DC to -75 V DC input
- 792 W (available in 396 W)
- Hot swappable, support for power module redundancy

VT857



- Twelve mid-size single module AMC slots or six mid-size double module AMC slots
- Cascade any number of 1U Carriers for expansion and management
- Management can run as Shelf/MCMC (MicroTCA Carrier Management Controller) or MCMC

Contact

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