AMC 8 Port RS-232 Serial

KEY FEATURES

- AMC.1 compliant
- x1 PCIe lane to Port 4 or Port 8
- Single module, compact-size (mid-size and full-size options available)
- Eight RS-232 serial ports using a high density connector
- Optional adapter cable to convert the high density connector to standard DB-9 connector, one per port (see ordering options)
- IPMI 2.0 compliant
- RoHS compliant

AdvancedMC™

Benefits of Choosing VadaTech

- High density connector for access to eight RS-232 ports
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The AMC303 provides eight ports of RS-232 with hardware handshake (RX, TX, RTS, and CTS) in a single module, compact-size AdvancedMC™ (AMC) form factor. All eight ports are available through the front panel with a high-density connector. VadaTech offers an octopus adapter cable to convert this high-density connector to multiple standard DB-9 connectors.

For a different front panel I/O connector, contact Sales.

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and µTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), 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.
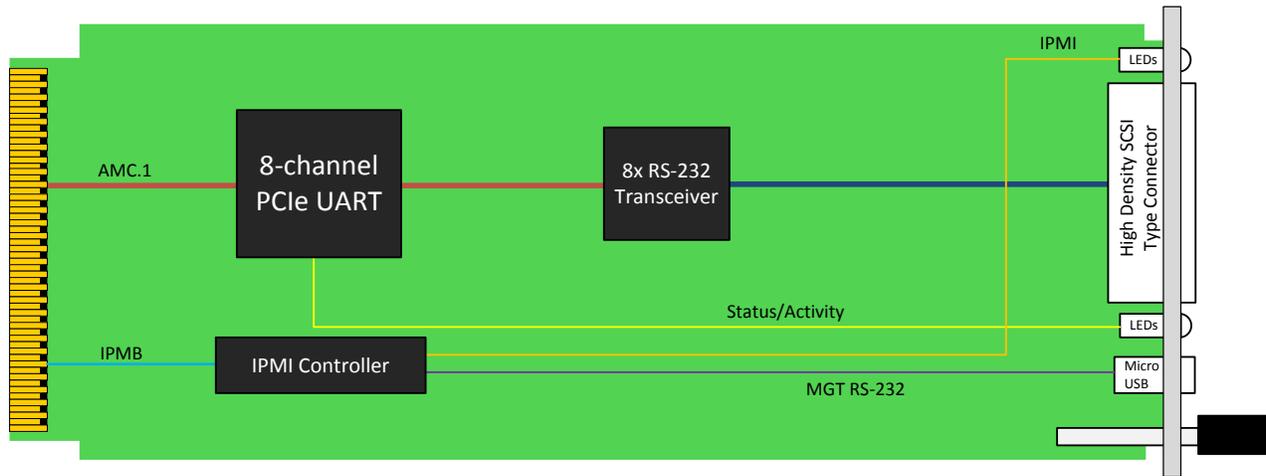
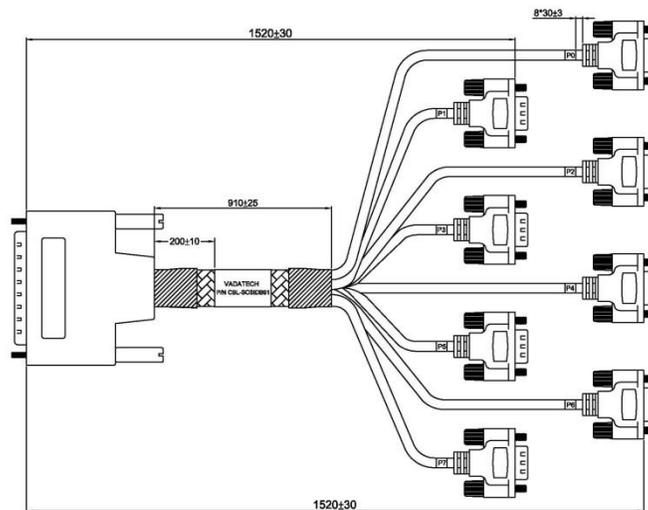## BLOCK DIAGRAM

Figure 1: AMC303 Block Diagram

Figure 2: Diagram of Optional Adapter Cable

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single module, compact-size (mid-size and full-size options available)
		Width: 2.89" (73.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC Serial	RS-232
	8 ports	Full hardware handshake (RX, TX, RTS, and CTS)

Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	x1

Configuration		
Power	AMC303	3W
Environmental	Temperature	Operating Temperature: -5° to 45°C (55°C for limited time, performance restrictions may apply), industrial and military versions also available. (See environmental spec sheet)
		Storage Temperature: –40° to +85°C
	Vibration	Operating 9.8 m/s^2 (1.0 G), 5 to 500Hz
	Shock	30Gs on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	High density SCSI type connector
		Micro 68-pin SCSI to (8) DB9 Male connector via adapter cable
	LEDs	IPMI management control
		Activity
	Mechanical	Hot swap ejector handle
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)

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
Trademarks and Disclaimer	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice

ORDERING OPTIONS

AMC303 – ABC – 000 – 0HJ

A = Front Panel Interface
1 = With Adapter Cable
2 = Without Adapter Cable

B = PCIe Routing
0 = Port 4
1 = Port 8

C = Front Panel Size
1 = Compact-size
2 = Mid-size
3 = Full-size

H = Temperature Range
0 = Commercial (–5° to +45° C)
1 = Industrial (–20° to +70° C)
2 = Military (–40° to 85° C)*

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

*Edge of module for conduction-cooled boards

RELATED PRODUCTS

AMC720 Intel Core i Processor AMC

UTC010 Power Module

UTC002 MCH

CONTACT US

VadaTech Corporate Office

198 N. Gibson Rd.
Henderson, NV 89014
Email: info@vadatech.com
Telephone: +1 702 896-3337
Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhu Street, Neihu District
Taipei 114,Taiwan
Email: info@vadatech.com
Telephone: +886-2-2627-7655
Fax: +886-2-2627-7792

VadaTech European Sales Office

Ocean Village Innovation Centre, Ocean Way
Ocean Village, Southampton, SO14 3JZ
Email: info@vadatech.com
Telephone: +44 2380 381982
Fax: +44 2380 381983

Doc No. 4FM737-12 Rev 01

www.vadatech.com

vadatech
THE POWER OF VISION

Version 2.0 – JUL/15

info@vadatech.com