

AMC Sixteen Port RS-232 Serial Adapter – AMC304

AMC 16 Port RS-232 Serial



KEY FEATURES

- AMC.1 compliant
- x1 PCIe lane on Port 4 or Port 8
- Single module, compact-size (mid-size and full-size options available)
- Sixteen 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 sixteen 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 AMC304 provides sixteen RS-232 ports (RX and TX) in a single module, compact-size AdvancedMC™ (AMC) based on the AMC.1 specification. The ports are available through the front panel with a high-density connector. VadaTech offers an adapter cable to convert the high-density connector to standard DB-9 ports.

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

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INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μ TCA 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

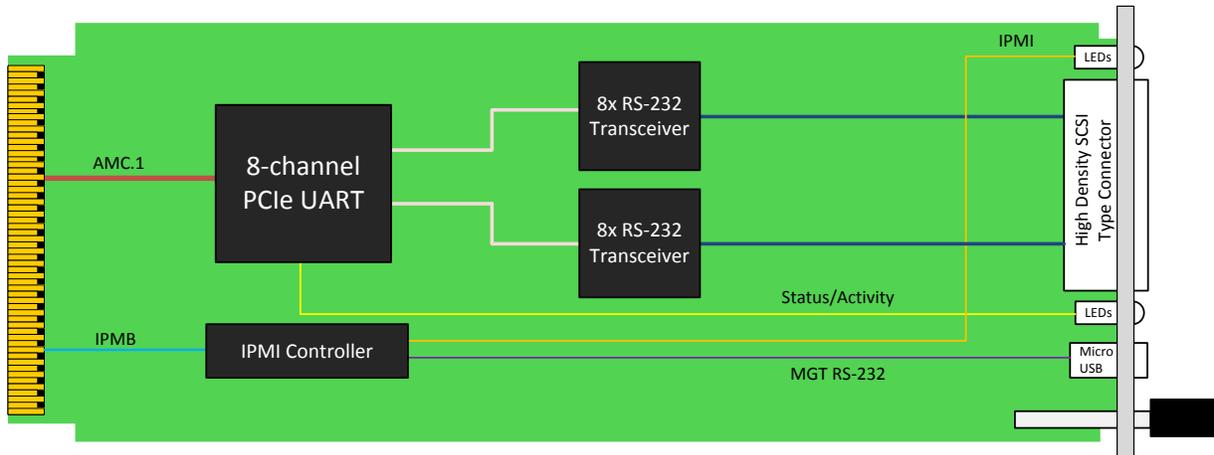


Figure 1: AMC304 Block Diagram and Front Panel

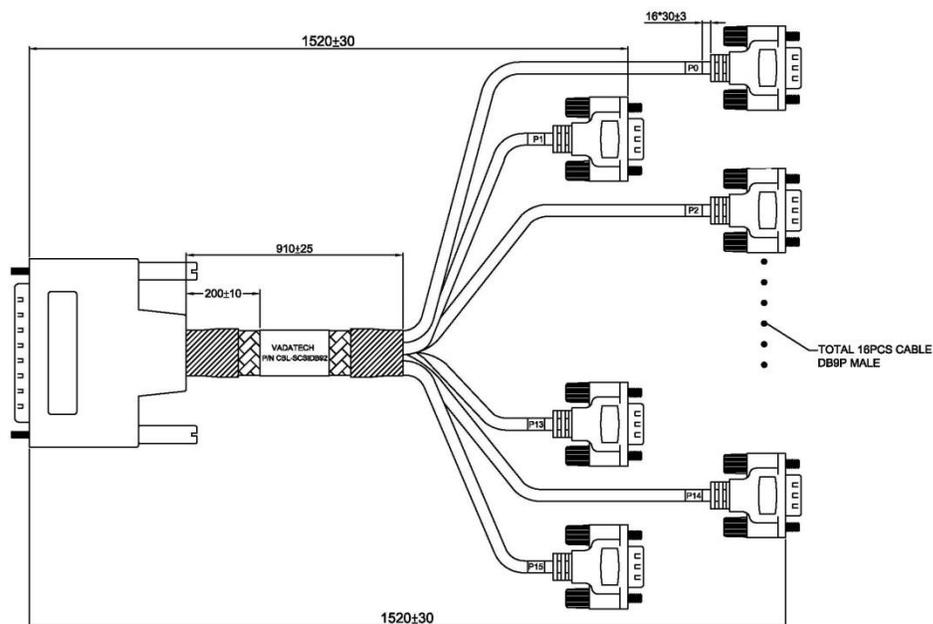


Figure 2: Diagram of Optional Adapter Cable

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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 16 ports
		RS-232 Hardware support (RX and TX))
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	x1
Configuration		
Power	AMC304	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 (16) 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

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ORDERING OPTIONS

AMC304 – 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

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