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
- 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

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 is a single module, compact-size AdvancedMC™ (AMC) based on the AMC.1 specification. The AMC304 provides sixteen RS-232 ports with hardware handshake support (RX, TX, RTS and CTS). 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.

VadaTech can modify this product to meet special customer requirements. Contact us to discuss your application.

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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

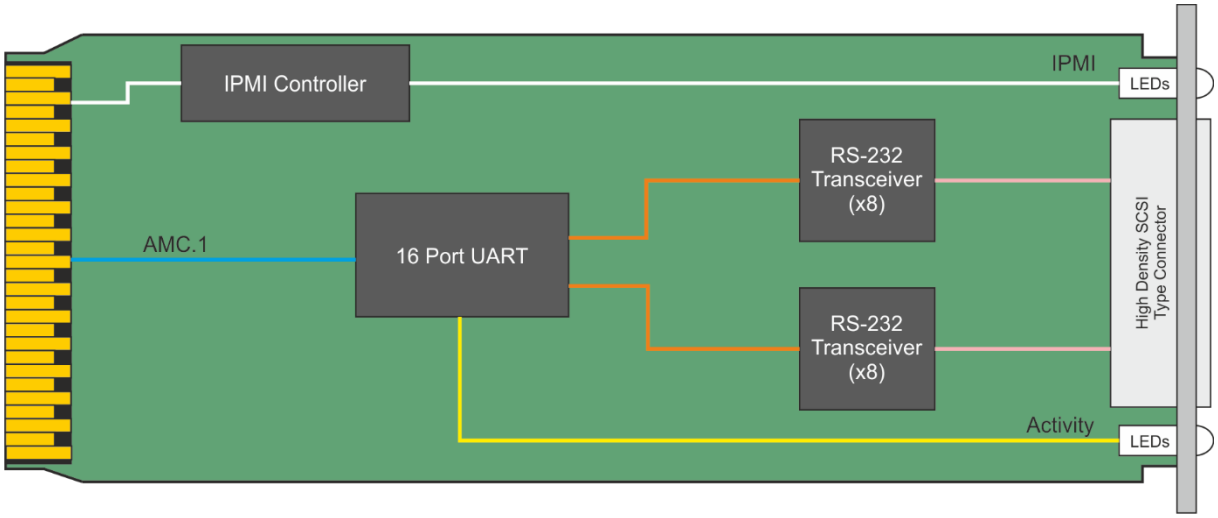

Figure 1: AMC304 Block Diagram and Front Panel

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
	16 ports	Full hardware modem support (RX, TX, RTS and CTS)
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 55°C (air flow > 100LFM) 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
	LEDs	IPMI management control
		Activity
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Linux, Solaris, VxWorks and Windows
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)
Other		
MTFB	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	
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ORDERING OPTIONS

AMC304 – A0C – 000 – 0HJ

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

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

H = Temperature Range
0 = Commercial (–5° to +55° 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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