

KEY FEATURES

- AMC.1 compliant
- PCIe x4 lanes
- Single-width, half-height* (mid-height and full-height options available)
 - *Patent-pending design allows standard front panel I/O connectivity in a half-height AMC compliant form factor
- Eight RS-232 serial ports using a high-density connector
- Optional adapter cable to convert the high-density connector to standard DB-9 connectors, one per port (see ordering options)
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
 - Linux
 - Windows
 - Solaris
 - VxWorks

The AMC302 provides eight ports of RS-232 with full hardware modem support (RX, TX, RTS, CTS, DTR, DSR, CD, and RI) in a single-width, half-height AdvancedMC™ (AMC) form factor. All eight ports are available through the front panel with a DB-100 style connector.

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

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

AdvancedMC™

AMC Eight Port RS-232 Serial Adapter

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width, Half-Height (with Mid or Full-Height options)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	AMC Serial	8-Ports RS-232, full hardware modem support (RX, TX, RTS, CTS, DTR, DSR, CD, and RI)
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x4
Configuration		
Power	AMC302	3.5W
ESD	Human Body Model	Up to ±15 kV
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
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors (See Ordering Options)	High-density DB-100 type connector
		DB-100 to (8) DB-9 Male connectors
	LEDs	IPMI Management Control
		Activity
	Mechanical	Hot Swap Ejector Handle
Conformal Coating	Humiseal 1A33 Polyurethane Conformal Coating	
	Humiseal 1B31 Acrylic Conformal Coating	
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 217-F > 388,000 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.	
Note	The Half-Height front panel is a patent-pending design. Contact your Sales representative for more information.	

AMC Eight Port RS-232 Serial Adapter

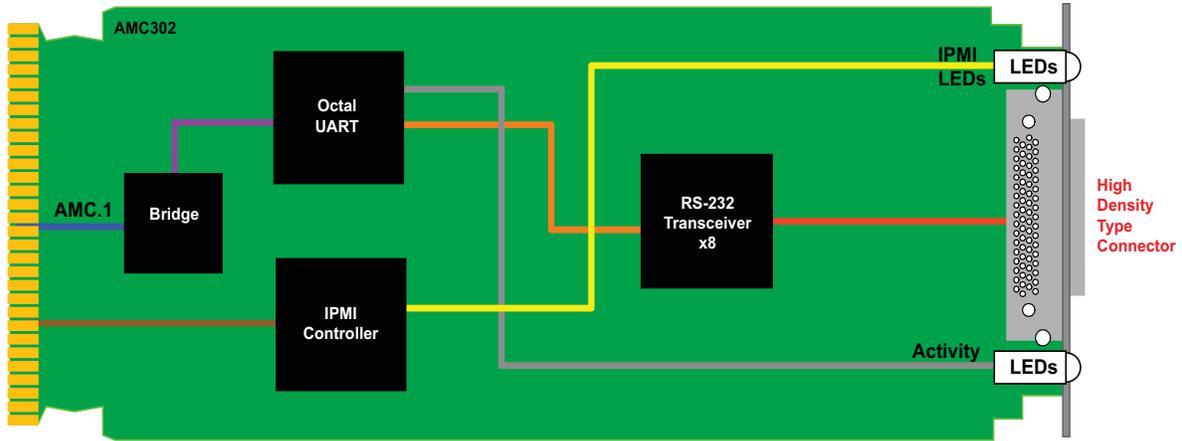


FIGURE 1. AMC302 Functional Block Diagram

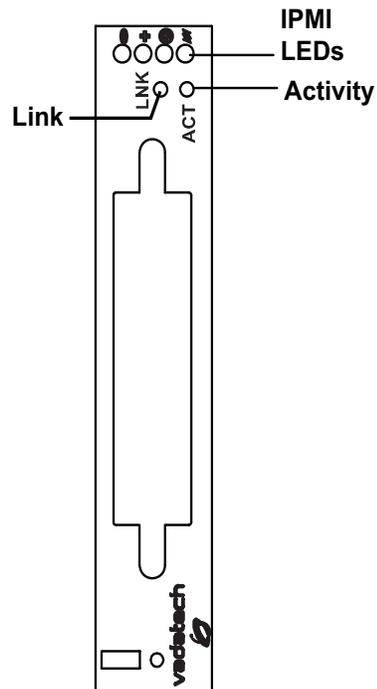


FIGURE 2. AMC302 Front Panel

AMC Eight Port RS-232 Serial Adapter

ORDERING OPTIONS

AMC302 - AOC - 000 - 00J

A = Front Panel Interface

- 1 = With adapter cable*
- 2 = Without adapter cable

*Minimum order is required

C = Front Panel Height

- 1 = Half-Height
- 2 = Mid-Height
- 3 = Full-Height

J = Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic



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