



KEY FEATURES

- AMC.1 compliant
- Single-width, half-height (mid-height and full-height options available)
- PCIe x4 lanes
- Sixteen RS-422/485 serial ports via high-density connector
- Optional adapter cable to convert the high-density connector to standard DB-9 connectors
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
 - Linux
 - Windows
 - Solaris
 - VxWorks

The AMC321 is a single-width, half-height AdvancedMC™ (AMC) based on the AMC.1 specification. The AMC321 provides sixteen RS-422/485 ports.

The ports are accessible through the front panel using a high-density sixteen port connector. VadaTech offers an adapter cable to convert the high-density connector to standard DB-9 connectors. The AMC321 has 120 Ohm termination on board for RS-485.

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 Sixteen Port RS-422/485 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	RS-422/485
	16 Ports	Sixteen Ports with no hardware handshake
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x4
Configuration		
Power	AMC321	4W
ESD	Human 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
Front Panel	Relative Humidity	5 to 95 percent, non-condensing
	Interface Connectors (See Ordering Options)	High-density SCSI type connector
		Micro 68-Pin SCSI to (16) DB9 Male connectors
	LEDs	IPMI Management Control
		Activity
Mechanical	Hot Swap Ejector Handle	
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 217-F@ 160,000 Hrs.	
Certifications	Design 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.	

AMC Sixteen Port RS-422/485 Serial Adapter

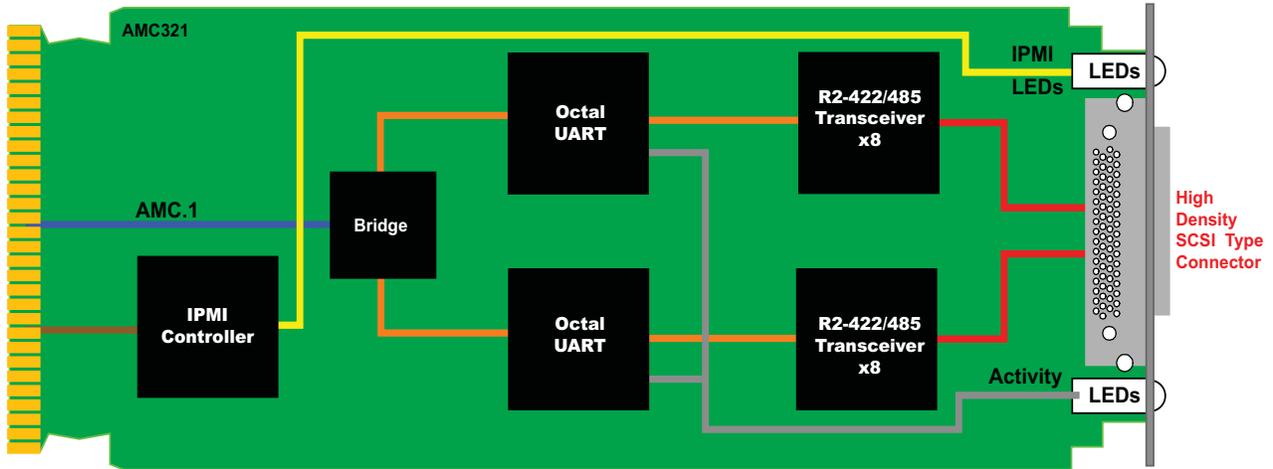


FIGURE 1. AMC321 Functional Block Diagram

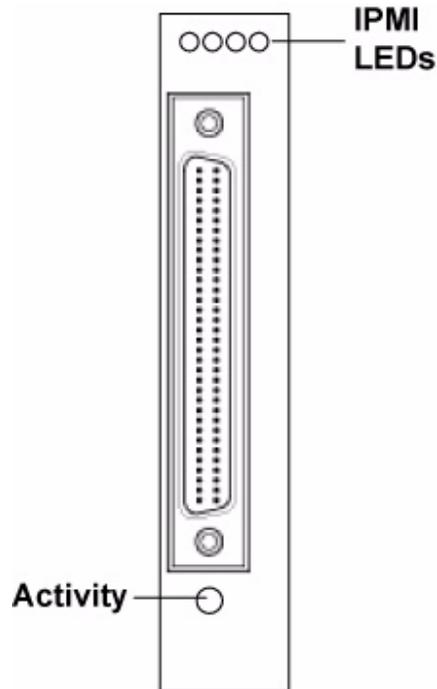


FIGURE 2. AMC321 Front Panel

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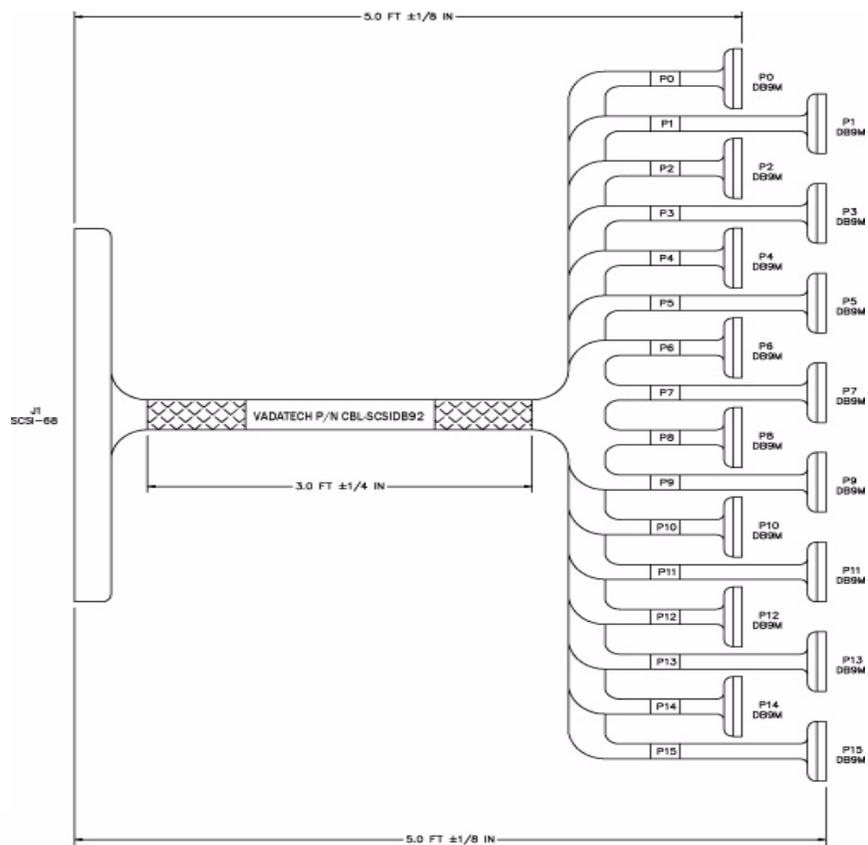


FIGURE 3. Adapter Cable

ORDERING OPTIONS

AMC321 - A 0 C - 0 0 0 - 0 0 J

A = Front Panel Interface

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

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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