



KEY FEATURES

- AMC.1 compliant
- Single-width, half-height (mid-height and full-height options available)
- PCIe x4 lanes
- Eight 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 AMC320 is a single-width, half-height AdvancedMC™ (AMC) based on the AMC.1 specification. The AMC320 provides eight ports of RS-422/485 with hardware handshake.

The ports are accessible through the front panel using a high density connector. VadaTech offers an adapter cable to convert the high density connector to standard DB-9 connectors. Additionally, the AMC320 has four digital input/output ports with RS-422 signaling. The AMC320 has 120 Ohm termination on board for RS-485.

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

AdvancedMC™

AMC Eight 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
	8 Ports	Eight Ports with hardware handshake
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x4
Configuration		
Power	AMC320	3.5W
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
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	High-density SCSI type connector
	Adapter	High-density to standard DB-9 adapter (see ordering options)
	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 > 222,000 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.	

AMC Eight Port RS-422/485 Serial Adapter

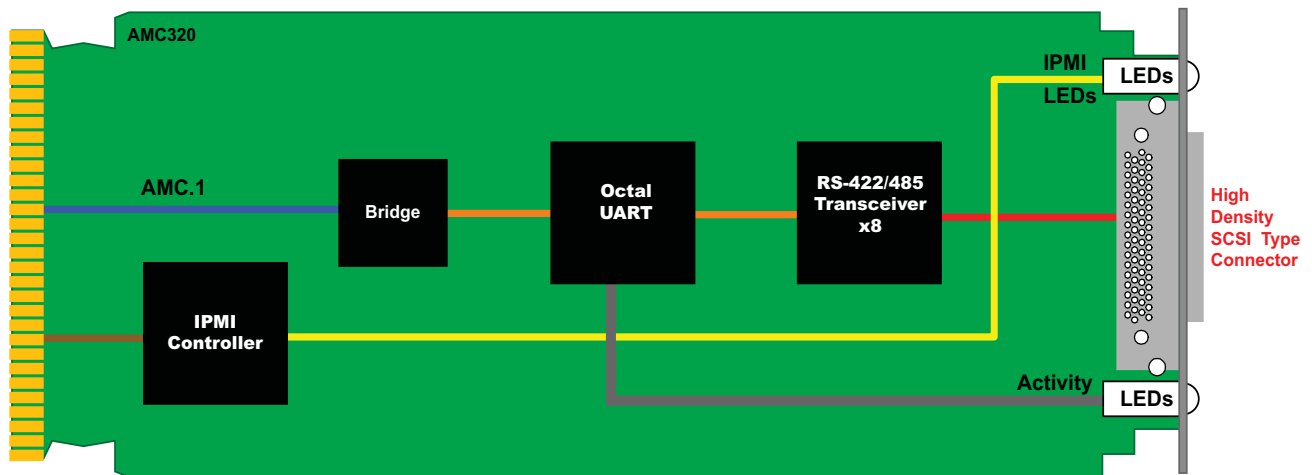


FIGURE 1. AMC320 Functional Block Diagram

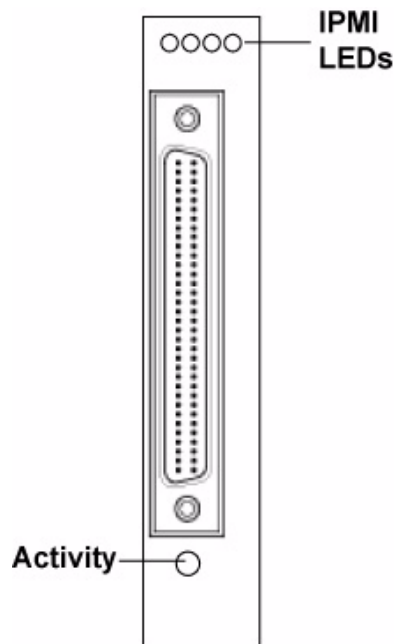


FIGURE 2. AMC320 Front Panel

AMC Eight Port RS-422/485 Serial Adapter

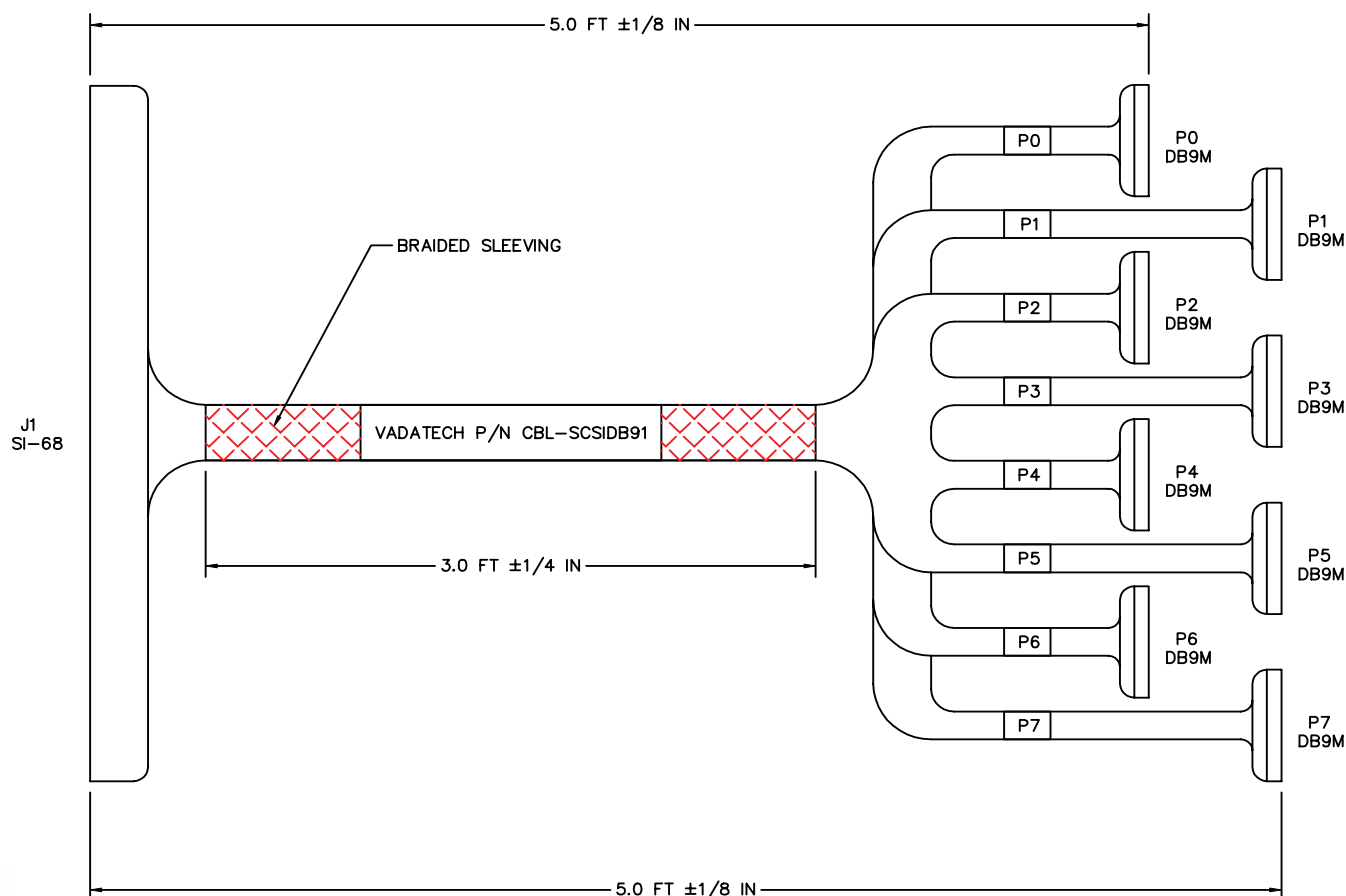


FIGURE 3. Front Panel Adapter Cable

ORDERING OPTIONS

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

AMC320 - AOC - 000 - 0HJ

H = Operating Temp

- 0 = Commercial
- 1 = Reserved
- 2 = Industrial

J = Conformal Coating

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