



KEY FEATURES

- AMC.1 compliant
- PCIe x4 lanes
- Single-width, half-height (Mid-Height and Full-Height options available)
- 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 AMC300 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 high-density connector. VadaTech offers an octopus adapter cable to convert this high-density connector to multiple standard DB-9 connectors.

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 | RS-232 |
| | 8 Ports | 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 | AMC300 | 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 SCSI type connector |
| | | Micro 68-Pin SCSI to (8) DB9 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@ 292,000 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-232 Serial Adapter

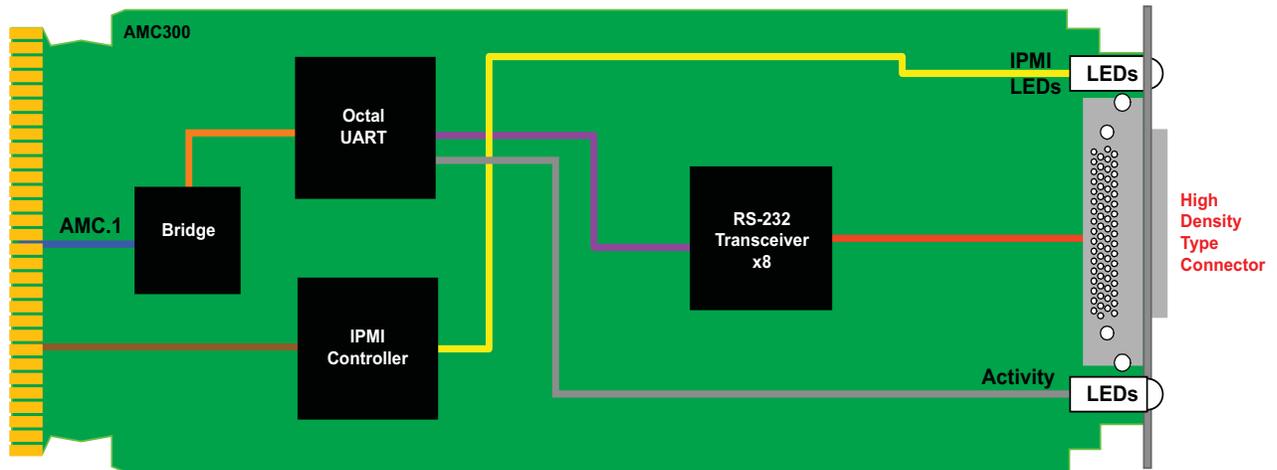


FIGURE 1. AMC300 Functional Block Diagram

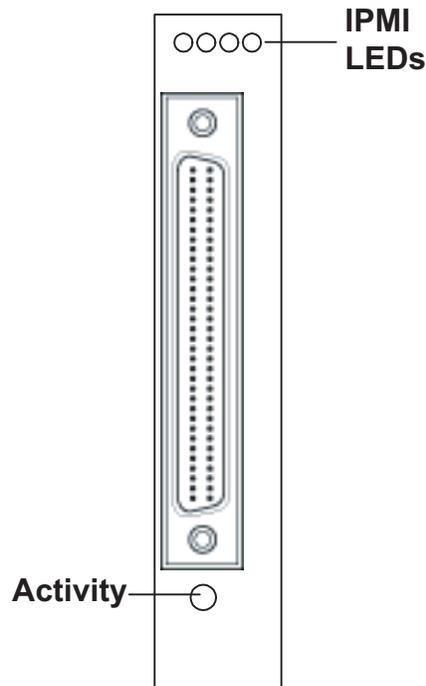


FIGURE 2. AMC300 Front Panel

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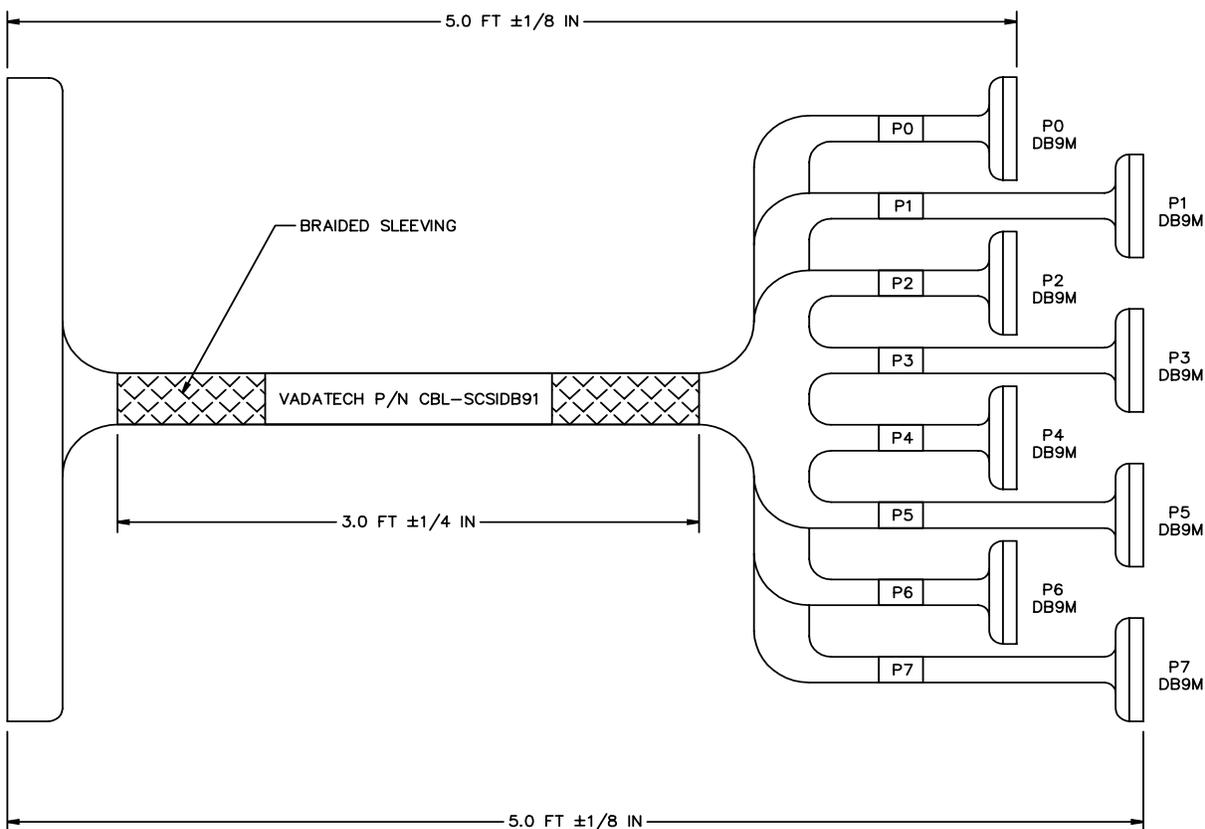


FIGURE 3. Adapter Cable

ORDERING OPTIONS

AMC300 - AOC - 000 - OHJ

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

H = Operating Temp

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

J = Conformal Coating

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