

KEY FEATURES

- AMC form factor
- Dual RGsB video inputs
- Dual video outputs capable of driving up to 110 feet over coax
- Max display resolution 1600x1200 @ 60Hz
- Mid or Full-height front panel option
- IPMI 2.0 compliant
- RoHS compliant

The AMC901 is a AMC form factor module that has dual RGsB analog video receiver inputs. It outputs two analog RGsB that provide the capability to drive UXGA video up to 110 feet over coaxial cable.

The input impedance is 75 ohms with a signal level of 1 VPP per RS-343A with sync on green. The output characteristic being 1 VPP into 75 ohms per RS-343A which can drive a minimum of 110 feet of cable.

The AMC901 receives only power from the AMC bus and has no other connection to any of the ports. The AMC901 does have the management processor and complies fully to the AMC.0 management specification.

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

AdvancedMC™

SPECIFICATIONS

| Architecture | | |
|----------------------|---|--|
| Physical | Dimensions | Mid-Height (Full-Height option) |
| | | Width: 2.89 in. (73.5 mm) |
| | | Depth: 7.11 in. (180.6 mm) |
| Product | Video Driver | Dual RGsB to dual RGsB |
| Standards | | |
| AMC | Type | AMC.0 |
| Module Management | IPMI | IPMI Version 2.0 |
| Configuration | | |
| Power | AMC901 | <2W |
| Environmental | Temperature | Operating Temperature: 0° to 65° C |
| | | Storage Temperature: -40° to +90° C |
| | Vibration | 1G, 5-500Hz each axis |
| | Shock | 30Gs each axis |
| | Relative Humidity | 5 to 95 percent, non-condensing |
| Interface Connectors | Rear | Dual Micro DB-15 |
| Conformal Coating | | Humiseal 1A33 Polyurethane Conformal Coating |
| | | Humiseal 1B31 Acrylic Conformal Coating |
| Other | | |
| MTBF | MIL Hand Book 217-F > 391,000 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 | |
| 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. | |

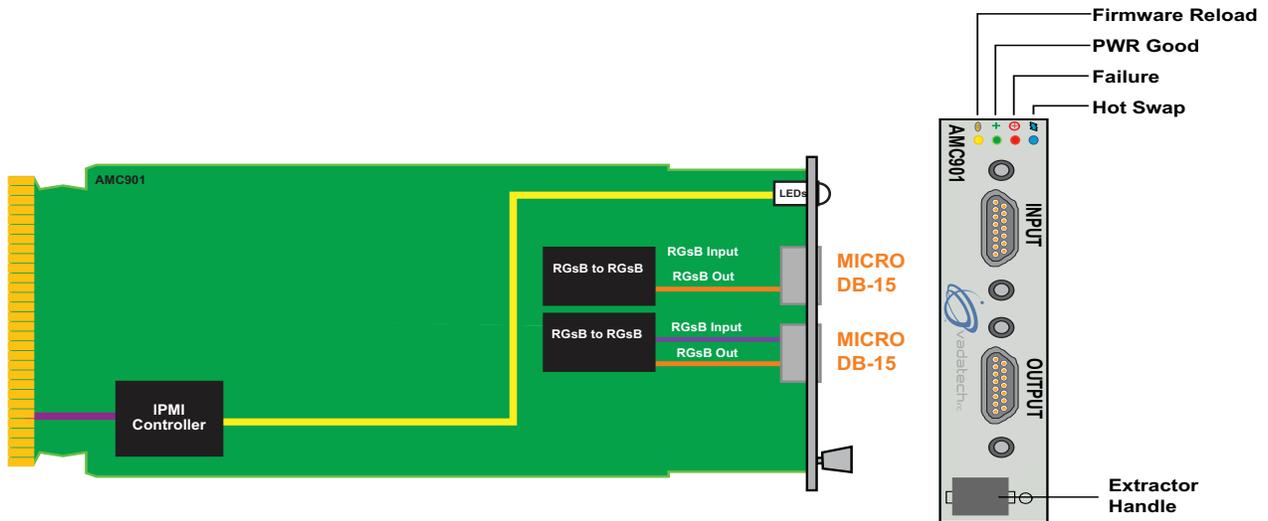


FIGURE 1. AMC901 Functional Block Diagram

ORDERING OPTIONS

C = Front Panel

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

AMC901 - 00C - 000 - 00J

J = Conformal Coating

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