



KEY FEATURES

- 24-channel isolated output
- 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
- Interrupt levels are user selectable
- Input voltage from 10V to 38V with 45V surge @ 500ms
- AMC.1 compliant
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
 - Linux
 - Windows
 - Solaris
 - VxWorks

The AMC092 is a single-width, half-height* (mid-height and full-height options are available) AdvancedMC™ (AMC) 24-Channel Isolated Output board.

The outputs are divided into two categories. The isolated output voltage is used to drive 12 ports and another set of 12 ports is used to sink current.

Each output channel is independent and is processed separately, so activity on one channel has no effect on other channels. A key feature of the AMC092 is the capability to have multiple outputs change state with a single atomic-write transaction.

On the AMC092 the PODO is connected to the +28V Air Craft Voltage.

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

AdvancedMC™

AMC 24 Channel Isolated Output Module

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 Output | 24-channel optically isolated outputs |
| | | Twelve outputs current source based on isolated output voltage |
| | | Twelve outputs current sink |
| | | Multiple outputs will change state with a single write |
| Standards | | |
| AMC | Type | AMC.1 |
| Module Management | IPMI | IPMI Version 2.0 |
| PCIe | Lanes | x4 |
| Configuration | | |
| Power | AMC092 | 3.5W |
| 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 | 51-Pin Micro DIN |
| | LEDs | IPMI Management Control |
| | | Activity and Link |
| | Mechanical | Hot Swap Ejector Handle |
| Software Support | Operating Systems | Linux, Windows, Solaris and VxWorks |
| Other | | |
| MTBF | MIL Spec 217-F > 242,000 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. | |
| Notes | The Half-Height front panel is a patent-pending design. Contact your Sales representative for more information. | |

AMC 24 Channel Isolated Output Module

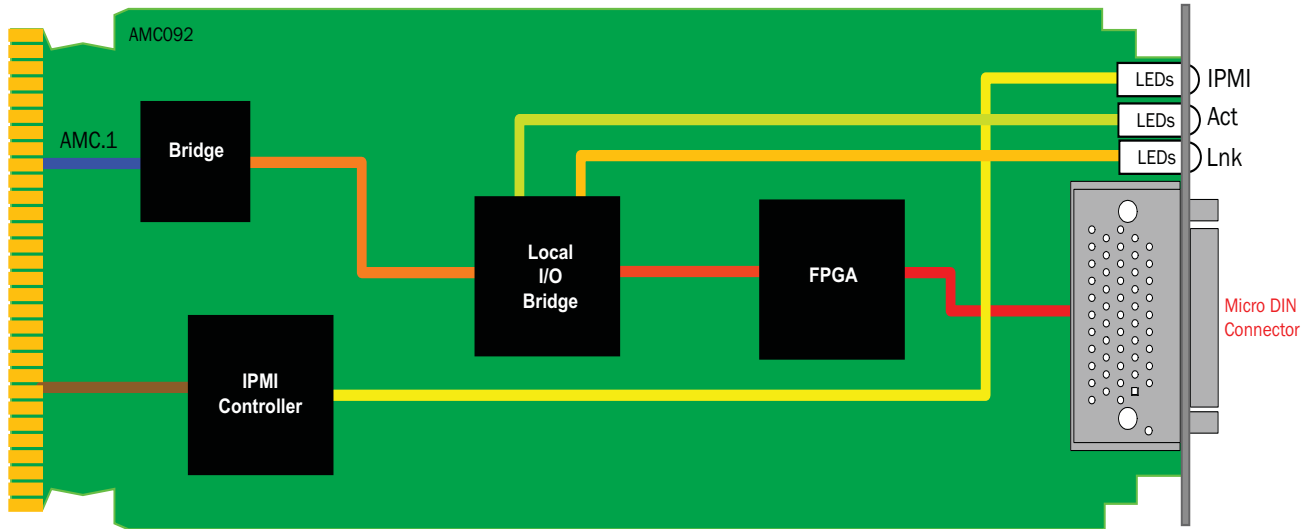


FIGURE 1. AMC092 Functional Block Diagram

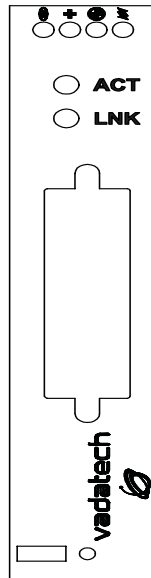


FIGURE 2. AMC092 Front Panel

AMC 24 Channel Isolated Output Module

ORDERING OPTIONS

AMC092 - 00C - 000 - 0HJ

C = Front Panel

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

H = Operating Temp

- 0 = Commercial
- 1 = Industrial

J = Conformal Coating

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



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