AMC 16-channel Isolated Input Module – AMC095

**KEY FEATURES**

- Eight TTL/CMOS input channels
- Eight 0 to 10 volt input channels
- Single module, compact size (mid-size and full-size available)
- Front panel I/O connectivity in a compact size AMC compliant form factor
- Programmable de-bounce times are software controlled on a channel-by-channel basis
- Change-Of-State (COS) selections:
  - Disabled
  - Rising edge, low-to-high transition
  - Falling edge, high-to-low transition
  - Level sensitive
- Input voltage from 10V to 38V with 45V surge @ 500 ms
- AMC.1 compliant
- IPMI 2.0 compliant

AMC095 is designed to solve the real world I/O problems of Military, Industrial and Telecom applications. The unit is a 16-Channel Optically Isolated Input AdvancedMC™ (AMC) module. Eight channels are factory configured for TTL/CMOS inputs and the other eight channels are configured for 0V to 10V source inputs (other voltage ranges are available, contact Sales for more information).

The AMC095 is also designed with maximum flexibility in mind, it features an FPGA that provides a number of software programmable functions which include: Programmable de-bounce on a channel-by-channel basis (increment of 1 ms resolution), programmable Change-of-State (COS) interrupts (rising edge, falling edge or level sensitive), and multi-channel sensitive input masked interrupts.

See Super Carrier for high-density processing platforms compatible with this product.
### INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTM), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

### BLOCK DIAGRAM

![Block Diagram](image)

**Figure 1: Block Diagram**

### FRONT PANEL

![Front Panel](image)

**Figure 2: Front Panel**
# AMC 16-channel Isolated Input Module – AMC095

## SPECIFICATIONS

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AMC 16-channel Isolated Input Module – AMC095

ORDERING OPTIONS

AMC095 – 00C – 000 – 00J

C = Front Panel
1 = Compact-size
2 = Mid-size
3 = Full-size
4 = Compact-size, MTCA.1 (captive screw)
5 = Mid-size, MTCA.1 (captive screw)
6 = Full-size, MTCA.1 (captive screw)

J = Temperature Range and Coating
0 = Commercial, No coating
1 = Commercial, Humiseal 1A33 Polyurethane
2 = Commercial, Humiseal 1B31 Acrylic
3 = Industrial, No coating
4 = Industrial, Humiseal 1A33 Polyurethane
5 = Industrial, Humiseal 1B31 Acrylic
6 = Extended, Humiseal 1A33 Polyurethane*
7 = Extended, Humiseal 1B31 Acrylic*

Notes:
*Conduction cooled; temperature is at edge of module. Consult factory for availability.

RELATED PRODUCTS

UTC008 MTCA JTAG Switch Module (JSM)
VT866 5U Chassis Platform
UTC004 MicroTCA Carrier Hub (MCH)

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