Key Features

- Up to 192W adjustable power load
- True payload power request to the carrier (MCH/Shelf)
- Front panel LCD to indicate status
- Eight temp sensors to monitor various on-board temperatures and status
- RISC processor
- IPMI 2.0 compliant
- RoHS compliant

Benefits

- LCD Display for easy monitoring
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
AMC011

The AMC011 provides an easy way to test/monitor AMC slots under different power loading conditions. The module includes two front panel switches for configuration. The rotary switch is read during power up by the on-board IPMI controller, which uses the setting to request the specified amount of power needed during test and verification from the carrier (MCH/Shelf). A second switch is used to increase or decrease the actual power consumption of the board at any time during the test.

An LCD display on the front panel allow for effortless monitoring of the power being used. There is a temperature sensor on the air flow intake side and others at the air flow exit side to continually monitor the air temperature. A push button allows the user to scroll the display output.

The module has a serial port in the front that allows a more dynamic configuration of the load using predefined profiles selected from a menu driven interface.
Block Diagram

Front Panel
## Specifications

### Architecture

<table>
<thead>
<tr>
<th>Physical</th>
<th>Dimensions</th>
<th>Double module, mid-size (full-size optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>5.85&quot; (148.5 mm)</td>
</tr>
<tr>
<td></td>
<td>Depth</td>
<td>7.11&quot; (180.6 mm)</td>
</tr>
</tbody>
</table>

### Type

| AMC Development | Load test and monitoring |

### Standards

<table>
<thead>
<tr>
<th>AMC Type</th>
<th>AMC.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Management</td>
<td>IPMI</td>
</tr>
<tr>
<td></td>
<td>IPMI version 2.0</td>
</tr>
</tbody>
</table>

### Configuration

<table>
<thead>
<tr>
<th>Power</th>
<th>AMC011 192 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental</td>
<td>Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See environmental spec sheet)</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature: -40° to +95°C</td>
</tr>
<tr>
<td></td>
<td>Vibration Operating 9.8 m/s² (1G), 5 to 500Hz on each axis</td>
</tr>
<tr>
<td></td>
<td>Shock Operating 30G each axis</td>
</tr>
<tr>
<td></td>
<td>Relative Humidity 5 to 95 per cent, non-condensing</td>
</tr>
<tr>
<td>Front Panel</td>
<td>Interface Connectors Micro USB or management RS-232</td>
</tr>
<tr>
<td></td>
<td>Switches Rotary switch for load request, toggle switch for load adjustment</td>
</tr>
<tr>
<td></td>
<td>Menu push button for display scroll</td>
</tr>
<tr>
<td></td>
<td>LEDs IPMI management control</td>
</tr>
<tr>
<td></td>
<td>Display LCD display to output status</td>
</tr>
<tr>
<td></td>
<td>Mechanical Hot swap ejector handle</td>
</tr>
</tbody>
</table>

### Other

<table>
<thead>
<tr>
<th>MTBF</th>
<th>MIL Hand book 217-F@ TBD hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifications</td>
<td>Designed to meet FCC, CE and UL certifications, where applicable</td>
</tr>
<tr>
<td>Standards</td>
<td>VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards</td>
</tr>
<tr>
<td>Warranty</td>
<td>Two (2) years</td>
</tr>
</tbody>
</table>

### INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μTCA 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.

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Ordering Options

AMC011 – 00C-000-000

C = Front Panel Height
1 = Reserved
2 = Reserved
3 = Full-size

Related Products

- AMC001
  - Single-width, mid-height or full-height
  - 32-bit IPMI RISC processor
  - Up to 90W adjustable power load
  - True payload power request to the carrier (MCH/Shelf)

- AMC012
  - Five zone airflow sensor
  - Module allows adding blocks to emulate a true payload module impedance
  - Front panel LCD to indicate airflow, temperature and status

- MRT011
  - Up to 160W adjustable power load
  - True payload power request to the carrier (MCH/Shelf)
  - Eight temp sensors to monitor various on-board temperatures
Choose VadaTech

We are technology leaders
- First-to-market silicon
- Constant innovation
- Open systems expertise

We commit to our customers
- Partnerships power innovation
- Collaborative approach
- Mutual success

We deliver complexity
- Complete signal chain
- System management
- Configurable solutions

We manufacture in-house
- Agile production
- Accelerated deployment
- AS9100 accredited

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