MRT012

MTCA.4 RTM Five-zone Airflow Meter

Key Features

- Five zone airflow sensor
- Eight temp sensors to monitor various on-board temperatures
- Module allows adding blocks to emulate a true pay load module impedance
- IPMI 2.0 compliant
- RoHS compliant

Benefits

- RTM design for extended access
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
MRT012

The MRT012 provides an easy way to test/monitor airflow in five zones. There are four temperature sensors on the air flow intake side and four others at the air flow exit side to continually monitor the air temperature.

The module have provision to add blocks to emulate a true pay load module impedance. The readings allows to see the air flow across the different AMC zones (I/O, A, B, C and D).

Block Diagram

Front Panel
## Specifications

<table>
<thead>
<tr>
<th>Architecture</th>
<th>Dimensions</th>
<th>Double module, mid-size (full-size optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>5.85&quot; (148.5 mm)</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>7.11&quot; (180.6 mm)</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>AMC Development</td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>Type AMC.0</td>
<td></td>
</tr>
<tr>
<td>Module Management</td>
<td>IPMI version 2.0</td>
<td></td>
</tr>
<tr>
<td>Configuration</td>
<td>Power MRT012 2 W</td>
<td></td>
</tr>
<tr>
<td>Environmental Temperature</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>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40° to +95°C</td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>Operating 9.8 m/s² (1G), 5 to 500Hz on each axis</td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>Operating 30G each axis</td>
<td></td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>5 to 95 per cent, non-condensing</td>
<td></td>
</tr>
<tr>
<td>Front Panel</td>
<td>Interface Connectors None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LEDs IPMI management control</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Mechanical Hot swap ejector handle</td>
<td></td>
</tr>
<tr>
<td>MTBF</td>
<td>MIL Hand book 217-F-@ TBD hrs</td>
<td></td>
</tr>
<tr>
<td>Certifications</td>
<td>Designed to meet FCC, CE and UL certifications, where applicable</td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards</td>
<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>Two (2) years</td>
<td></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.

## Trademarks and Disclaimer

The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.
Ordering Options

MRT012 – 00C-000-000

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C = Front Panel Height

1 = Reserved
2 = Reserved
3 = Full-size

Related Products

AMC001
- 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
- Eight temp sensors to monitor various on-board temperatures
- Front panel LCD to indicate airflow and temperature

MRT011
- Up to 192W 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

Trademarks and Disclaimer
The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.

© 2017 VadaTech Incorporated, All rights reserved.