ATCA Base and Fabric Channel Debug – ATC002

**KEY FEATURES**
- AdvancedTCA Test and Development board
- Routes Base and Fabric channels to the front panel for debugging
- Form factor compliant to PICMG 3.0 R3.0 Specification
- Dual SFP+ ports (fabric)
- Dual RJ45 (base)
- Dual RS-232 ports (IPMI, management)
- IPMI version 2.0
- RoHS compliant

**Benefits of Choosing VadaTech**
- Convenient test & development board for routing base and channel to the front panel
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

The ATC002 is a test infrastructure board for debugging the Base and Fabric channels. The board routes the channels to the front panel for easy access. Dual RS-232 ports are also available for IPMI and local management access.
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.

BLOCK DIAGRAM
# SPECIFICATIONS

## Architecture

<table>
<thead>
<tr>
<th>Physical</th>
<th>Dimensions</th>
<th>8U x 280mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>ATCA Test Infrastructure</td>
<td>ATCA Blade</td>
</tr>
</tbody>
</table>

## Standards

<table>
<thead>
<tr>
<th>ATCA</th>
<th>Type</th>
<th>PICMG 3.0 R3.0</th>
</tr>
</thead>
</table>

## Configuration

<table>
<thead>
<tr>
<th>Power</th>
<th>ATC002</th>
<th>TBD Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental</td>
<td>Temperature</td>
<td>Operating Temperature: -5° to 55° C (air flow requirements &gt;400 LFM))</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature: -40° to +85° C</td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>1G, 5 to 500 Hz on each axis</td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>30Gs each axis</td>
<td></td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>5 to 95 percent, non-condensing</td>
<td></td>
</tr>
</tbody>
</table>

## Front Panel

<table>
<thead>
<tr>
<th>Interface Connectors</th>
<th>Dual SFP+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dual RJ-45</td>
</tr>
<tr>
<td></td>
<td>Dual RS-232</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LEDs</th>
<th>IPMI Management Control</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Link/Activity and Status</td>
</tr>
</tbody>
</table>

## Mechanical

| Hot Swap Ejector Handle   | MIL Hand book 217-F @ TBD Hrs |

## 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>

## 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 |

## PANEL VIEW

![PANEL VIEW](image-url)
ATCA Base and Fabric Channel Debug – ATC002

ORDERING OPTIONS

ATC002 – 000 – 000 – 00J

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

RELATED PRODUCTS

ATC000
ATCA Test for Shock/Vib

ATC001
ATCA IPMI Test Suite

VT000
ATCA Power Module for Test

CONTACT US

VadaTech Corporate Office
198 N. Gibson Rd.
Henderson, NV 89014
Email: info@vadatech.com
Telephone: +1 702 896-3337
Fax: +1 702 896-0332

Asia Pacific Sales Office
7 Floor, No. 2, Wenhu Street, Neihu District,
Taipei 114, Taiwan
Email: info@vadatech.com
Telephone: +886-2-2627-7655
Fax: +886-2-2627-7792

VadaTech European Sales Office
Ocean Village Innovation Centre, Ocean Way,
Ocean Village, Southampton, SO14 3JZ
Email: info@vadatech.com
Telephone: +44 2380 381962
Fax: +44 2380 381983