AMC995 – LVDS Expansion Module via RJ-45, 16 Pairs (8 Tx, 8 Rx)

KEY FEATURES
- 8 LVDS Transmit pairs
- 8 LVDS Receiver pairs
- Ports 12-15 and 17-20 (LVDS)
- Ports are routed to four RJ-45
- Single-module mid-size (option for full-size)

Benefits of Choosing VadaTech
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The AMC995 routes 8 LVDS Transmit and 8 LVDS Receive lines from AMC ports 12-15 and 17-20 to the front via quad RJ-45 connectors. The module allows expansion via the front panel to other modules.

The module follows partial AMC.0 specification. Please contact VadaTech for more details on this module before purchasing.
AMC995 – LVDS Expansion Module via RJ-45, 16 Pairs (8 Tx, 8 Rx)

**BLOCK DIAGRAM**

- Ports 12-15
- Ports 17-20
- LVDS Re-drivers
- RJ-45

**FRONT PANEL**

- Front panel with RJ-45 ports

Info: info@vadatech.com
Website: www.vadatech.com
# SPECIFICATIONS

## Architecture

<table>
<thead>
<tr>
<th>Physical</th>
<th>Dimensions</th>
<th>Single module, mid-size (full-size option available)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width: 2.89” (73.5 mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Depth: 7.11” (180.6 mm)</td>
<td></td>
</tr>
</tbody>
</table>

## Configuration

<table>
<thead>
<tr>
<th>Type</th>
<th>AMC LVDS</th>
<th>16 Pairs of LVDS (8 TX and 8 RX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>AMC995</td>
<td>1 W</td>
</tr>
<tr>
<td>Environmental</td>
<td>Temperature</td>
<td>Operating temperature: –5° to 55 °C (industrial versions also available) (See environmental spec sheet)</td>
</tr>
<tr>
<td></td>
<td>Vibration</td>
<td>Operating 9.8 m/s² (1G), 5 to 500 Hz</td>
</tr>
<tr>
<td></td>
<td>Shock</td>
<td>30Gs on each axis</td>
</tr>
<tr>
<td></td>
<td>Relative Humidity</td>
<td>5 to 95 percent, non-condensing</td>
</tr>
<tr>
<td>Front Panel</td>
<td>Interface Connectors</td>
<td>Quad RJ-45</td>
</tr>
<tr>
<td></td>
<td>Mechanical</td>
<td>Hot swap ejector handle</td>
</tr>
</tbody>
</table>

## Software Support

| Operating System | Not applicable              |

## Other

<table>
<thead>
<tr>
<th>MTBF</th>
<th>MIL Handbook 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>Compliance</td>
<td>PICMG 3.0 Rev 3.0, RoHS 2 and NEBS Level 3.</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.

**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.
AMC995 – LVDS Expansion Module via RJ-45, 16 Pairs (8 Tx, 8 Rx)

ORDERING OPTIONS

AMC995 – 00C – 000 – 00J

C = Front Panel Size
1 = Reserved
2 = Mid-size
3 = Full-size

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 = Military, Humiseal 1A33 Polyurethane*
7 = Military, Humiseal 1B31 Acrylic*

*Edge of module for conduction-cooled boards

RELATED PRODUCTS

AMC592
FPGA Carrier for FMC, Kintex UltraScale

AMC527
FPGA Carrier for FMCs, Virtex-7

VT815
9U μTCA.0/μTCA.4 Chassis, 12 AMCs

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
VadaTech House, Bulls Copse Road,
Southampton, SO40 9LR
Email: info@vadatech.com
Telephone: +44 2380 016403