

## SPECIFICATIONS

### Architecture

|                 |                  |  |
|-----------------|------------------|--|
| <b>Physical</b> | Dimensions       | Single module, full-size<br>Width: 2.89" (73.5 mm)<br>Depth 7.11" (180.6 mm) |
| <b>Type</b>     | AMC FPGA Carrier | Xilinx Virtex-5 Device<br>DDR2 memory<br>Single FMC slot                     |

### Standards

|                          |       |  |
|--------------------------|-------|--|
| <b>AMC</b>               | Type  | AMC.1, AMC.2, AMC. 3 and AMC.4 (FPGA programmable) |
| <b>Module Management</b> | IPMI  | IPMI version 2.0                                   |
| <b>PCIe</b>              | Lanes | x4 or x8   |
| <b>XAUI</b>              | Lanes | x4   |
| <b>Aurora/SRIO</b>       | Lanes | x4 (if the x8 PCIe is not used)                    |
| <b>Ethernet</b>          | GbE   | 1000-BaseBX  |

### Configuration

|                          |                      |  |
|--------------------------|----------------------|--|
| <b>Power</b>             | AMC512               | Carrier is ~20W (without mezzanine) application specific   |
| <b>Environmental</b>     | Temperature          | Operating Temperature: -5° to 55°C (air flow > 400LFM) industrial and military versions also available (See <a href="#">environmental spec sheet</a> )<br>Storage Temperature: -40° to +85°C |
|                          | Vibration            | Operating 9.8 m/s <sup>2</sup> (1.0 G), 5 to 500Hz   |
|                          | Shock                | 30Gs on each axis  |
|                          | Relative Humidity    | 5 to 95 per cent, non-condensing   |
| <b>Front Panel</b>       | Interface Connectors | Front panel FMC, IPMI RS-232, FPGA RS-232  |
|                          | LEDs                 | IPMI management control<br>4 user defined LEDs   |
|                          | Mechanical           | Hot swap ejector handle  |
| <b>Conformal Coating</b> |                      | Humiseal 1A33 Polyurethane (Optional)<br>Humiseal 1B31 Acrylic (Optional)  |

### Other

|                                  |  |
|----------------------------------|--|
| <b>MTBF</b>                      | MIL Hand book 217-F @ TBD Hrs  |
| <b>Certifications</b>            | Designed to meet FCC, CE and UL certifications where applicable  |
| <b>Standards</b>                 | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards  |
| <b>Warranty</b>                  | Two (2) years  |
| <b>Trademarks and Disclaimer</b> | 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 |