AMC Dual Port 100-BaseFX Ethernet

AMC208

KEY FEATURES

• AMC.1
  • Single-width, half-height* (mid-height and full-height options available)
    — *Patent-pending design allows standard front panel I/O connectivity in a half-height AMC compliant form factor
  • Dual 100-BaseFX Ethernet ports
  • PCIe x4 lanes
  • IPMI 2.0 compliant
  • RoHS compliant
  • OS support for:
    — Linux
    — Windows
    — Solaris
    — VxWorks

The AMC208 is a dual-port 100-BaseFX AdvancedMC™ (AMC). VadaTech offers this product in a single-width, half-height form factor based on the AMC.1 specification (option for mid-height and full-height design, see ordering options).

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).
# AMC Dual Port 100-BaseFX Ethernet

## SPECIFICATIONS

### Architecture

<table>
<thead>
<tr>
<th>Physical</th>
<th>Dimensions</th>
<th>Single-Width, Half-Height (with Mid or Full-Height options)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width</td>
<td>2.89 in. (73.5 mm)</td>
</tr>
<tr>
<td></td>
<td>Depth</td>
<td>7.11 in. (180.6 mm)</td>
</tr>
</tbody>
</table>

### Standards

<table>
<thead>
<tr>
<th>AMC</th>
<th>Type</th>
<th>AMC.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Management</td>
<td>IPMI</td>
<td>IPMI Version 2.0</td>
</tr>
<tr>
<td>PCIe</td>
<td>Lanes</td>
<td>x4</td>
</tr>
</tbody>
</table>

### Configuration

<table>
<thead>
<tr>
<th>Power</th>
<th>AMCC08</th>
<th>4W</th>
</tr>
</thead>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibration</td>
<td>1G, 5-500Hz each axis</td>
</tr>
<tr>
<td>Shock</td>
<td>30Gs each axis</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>5 to 95 percent, non-condensing</td>
</tr>
</tbody>
</table>

### Front Panel

<table>
<thead>
<tr>
<th>Interface Connectors</th>
<th>Two fiber LC ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDs</td>
<td>IPMI Management Control</td>
</tr>
<tr>
<td></td>
<td>Activity and Link</td>
</tr>
<tr>
<td>Mechanical</td>
<td>Hot Swap Ejector Handle</td>
</tr>
</tbody>
</table>

### Software Support

| Operating Systems | Linux, Windows, Solaris and VxWorks                                                   |

### Other

<table>
<thead>
<tr>
<th>MTBF</th>
<th>MIL Spec 217-F &gt;TBD</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>Compliance</td>
<td>RoHS and NEBS</td>
</tr>
<tr>
<td>Warranty</td>
<td>Two (2) years</td>
</tr>
<tr>
<td>Trademarks and Logos</td>
<td>The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.</td>
</tr>
</tbody>
</table>
FIGURE 1. AMC208 Functional Block Diagram

FIGURE 2. AMC208 Front Panel
## ORDERING OPTIONS

**AMC208 - 00C - 000 - 00J**

<table>
<thead>
<tr>
<th>C = Front Panel Height</th>
<th>J = Conformal Coating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Half-Height</td>
<td>0 = None</td>
</tr>
<tr>
<td>2 = Mid-Height</td>
<td>1 = Humiseal 1A33 Polyurethane</td>
</tr>
<tr>
<td>3 = Full-Height</td>
<td>2 = Humiseal 1B31 Acrylic</td>
</tr>
</tbody>
</table>

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