### Board Features

- 1G Ethernet RJ45
- SATA
- FireFly
- Display Port Interface
- CAN BUS
- GPIO Header

### Applications

- ADM-VPX3-9Z5 Testing/Debug
- 1G Ethernet Connectivity
- External Display Interface
- GPIO

### Summary

The **ADM-VPX3-9Z5-RTM** is a 3U, VPX, Rear Transition Module (RTM) designed to interface with Alpha Data ADM-VPX3-9Z5 Zynq Ultrascale+ FPGA board.

The RTM provides complete breakout of all backplane signals providing the user with complete flexibility during development and debug. Gigabit Ethernet port (including PHY), Display Port Interface, CAN BUS Interface, internal header for GPIO connectivity, RS232 COMs port, 5 internal SATA ports (SATA Revision 3.1)

### Deliverables

- ADM-VPX3-9Z5-RTM Board
- One Year Warranty
- One Year Technical Support

### Board Format

- VPX 3U Rear Transition Module

### Input/Output Interfaces

- **Gigabit Ethernet**
  - 1x Gigabit Ethernet Interfaces

- **Display**
  - 1x External Display Port output interface

- **Comms**
  - 1x RS232 Communications

- **External Storage**
  - 5x SATA Interface

- **Discrete I/O**
  - 24x Single Ended GPIO

- **CAN BUS**
  - 1x CAN BUS Interface

- **FireFly**
  - 2x FireFly Interface

### Environmental Specification

#### Temperature Ranges

<table>
<thead>
<tr>
<th>Cooling Option</th>
<th>Operating Temperatures</th>
<th>Storage Temperatures</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC1</td>
<td>Min: -40°C Max: 70°C</td>
<td>Min: -55°C Max: 100°C</td>
</tr>
</tbody>
</table>

#### Operating Humidity

- Up to 95% (non-condensing)

**EMC Standards**

- FCG 47CFR Part 2
- EN55022:2010 Equipment ClassB

### Ordering Information

**Order Code:** ADM-VPX3-9Z5-DEV-RTM/AC1(a)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
<th>Description of Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformal Coating</td>
<td>a</td>
<td>blank = no conformal coating, A = Acrylic, P = Polyurethane</td>
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</tbody>
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