MRT575A

MTCA.4 RTM for AMC575, Passive

Key Features

- MicroTCA.4 RTM for the AMC575
- 8 ADC and 16 DAC signals routed to rear panel
- Clock/trigger routed to rear panel

Benefits

- Expertise in RTM and MTCA.4 board design
- Full ecosystem of MicroTCA.4 AMCs, PMs, MCH, RTMs, chassis, and application-ready systems
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company
MRT575A

The MRT575A is a Rear Transition Module (RTM) for VadaTech’s AMC575, routing analog signals to the rear panel. The mid-size version routes 16 DAC outputs, with the full-size version adding 8 ADC inputs.

VadaTech offers a wide range of MicroTCA.4 products, including full systems. Contact your local salesperson or representative for details.

Figure 1: MRT575A
## Specifications

<table>
<thead>
<tr>
<th>Architecture</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Physical</strong></td>
<td><strong>Dimensions</strong> Double module, mid-size (full-size optional)</td>
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<tr>
<td></td>
<td>Width: 5.85” (148.5 mm)</td>
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<td></td>
<td>Depth: 7.18” (182.6 mm)</td>
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<td>Weight: 0.3 lbs (136 g)</td>
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<tr>
<td><strong>Type</strong></td>
<td>Analog I/O MicroRTM</td>
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<td>Single Mezzanine Card Slot</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MTCA</strong></td>
</tr>
<tr>
<td><strong>Module Management</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
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<tr>
<td></td>
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<td></td>
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<td></td>
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<tr>
<td><strong>Relative Humidity</strong></td>
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<tr>
<td><strong>Rear Panel</strong></td>
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<td></td>
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<tr>
<td></td>
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<tr>
<td><strong>Software Support</strong></td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
</tr>
<tr>
<td><strong>Other</strong></td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
</tr>
<tr>
<td><strong>Standards</strong></td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
</tr>
</tbody>
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### INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), 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.
Ordering Options

MRT575A – 00C-000-00J

C = Front Panel Size

1 = Reserved
2 = Reserved
3 = Reserved
4 = Reserved
5 = Mid-size, MTCA.4 (captive screws)
6 = Full-size*, MTCA.4 (captive screws)

J = Temperature Range and Coating

0 = Commercial (–5° to +55°C), No coating
1 = Commercial (–5° to +55°C), Humiseal 1A33 Polyurethane
2 = Commercial (–5° to +55°C), Humiseal 1B31 Acrylic
3 = Industrial (–20° to +70°C), No coating
4 = Industrial (–20° to +70°C), Humiseal 1A33 Polyurethane
5 = Industrial (–20° to +70°C), Humiseal 1B31 Acrylic

Notes: *ADC inputs are only routed to rear panel when full-size panel selected.

For operational reasons VadaTech reserves the right to supply a higher speed FPGA device than specified on any particular order/delivery at no additional cost, unless the customer has entered into a Revision Lock agreement with respect to this product.

Related Products

AMC523
- Dual DAC 16-bit @ 250 MSPS utilizing MAX5878 device (user programmable for lower sampling rate)
- Xilinx Kintex-7 FPGA XC7K410T in FFG900 package
- Supported by DAQ Series™ data acquisition software

VT811
- MTCA System Platform 19” x 8U x 14.9” deep (with handles 16.23” deep)
- Full redundancy with dual MicroTCA Carrier Hub (MCH), dual Cooling Units and quad Power Modules
- Up to twelve AMCs: 12 front mid-size double module slots and RTM slots

UTC018
- Double-module, 12 HP height module per AMC.0
- Universal AC input (85 to 265V), 1000W
- Provides power up to 12 AMCs, 2 MCHs and Cooling Units
Contact

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