

# AMC529/AMC529C – AMC Dual DAC 14-bit@ 5.7 GSPS Module

## SPECIFICATIONS

| Architecture      |  |  |                              |
|-------------------|--|--|------------------------------|
| Physical          | Dimensions   | Single module, mid-size (full-size optional)   |                              |
|                   |  | Width 2.89" (73.5 mm)  |                              |
|                   |  | Depth 7.11" (180.6 mm)   |                              |
| Type              | AMC FPGA Carrier   | Xilinx Virtex-7 device   |                              |
|                   |  | Dual Port DAC  |                              |
| Standards         |  |  |                              |
| AMC               | Type   | AMC.1, AMC.2 and/or AMC.4  |                              |
| Module Management | IPMI   | IPMI v2.0  |                              |
| PCIe              | Lanes  | Dual x4 via FPGA to AMC or x8  |                              |
| Ethernet          | GbE  | Dual GbE   |                              |
| Configuration     |  |  |                              |
| Power             | AMC529   | ~35W (FPGA code dependent)   |                              |
| Environmental     | Temperature  | Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial and military versions also available (See <a href="#">environmental spec sheet</a> ) |                              |
|                   |  | Storage Temperature: -40° to +85°C   |                              |
|                   |  | Vibration  | 1G, 5 to 500 Hz on each axis |
|                   |  | Shock  | 30Gs each axis               |
|                   | Relative Humidity  | 5 to 95% non-condensing  |                              |
| Front Panel       | Interface Connectors   | Front panel DAC, CLK/TRIGIN, MGT RS-232, FPGA RS-232 and User I/O  |                              |
|                   | LEDs   | IPMI Management Status   |                              |
|                   |  | 4 user defined LEDs, 5 general status LEDs   |                              |
|                   | Mechanical   | Hot-swap ejector handle (AMC529); wedgelocks (AMC529C)   |                              |
| Software          | Operating System   | Linux (consult VadaTech for other options)   |                              |
| Other             |  |  |                              |
| MTBF              | MIL Hand book 217-F @ TBD Hrs  |  |                              |
| Certifications    | Designed to meet FCC, CE and UL certifications where applicable      |  |                              |
| Standards         | VadaTech is certified to both the ISO9001:2015 and AS9100D standards |  |                              |
| Warranty          | Two (2) years, see <a href="#">VadaTech Terms and Conditions</a>     |  |                              |

### INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and MTCA 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.

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