

Specifications

Architecture	
Physical	Dimensions Single module, Mid-size (full-size, 8 HP optional) Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
Type	AMC ADC ADC, up to 4 input channels, quad 14 GSPS or dual 28 GSPS or single 56 GSPS
Standards	
AMC	Type AMC.1, AMC.2
Module Management	IPMI IPMI v2.0
PCIe	Lanes x4 or x8 (Ports 4-11), additional Ports on 12-15
SRIO/XAUI	Lanes Dual x4 (Ports 4-11), additional Ports on 12-15
40GbE	Lanes Dual x4 (Ports 4-11), additional Ports on 12-15
Configuration	
Power	AMC590 ~65W (application specific)
Environmental	Temperature See Ordering Options and Environmental Spec Sheet Storage Temperature: -40° to +85°C Vibration Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis Shock Operating 30Gs on each axis Relative Humidity 5 to 95% non-condensing
Electrical	DNL/INL +/- 0.5 LSB, +/-1.0 LSB SNDR 40 dBFS @ Fin – 1 GHz, 36 dBFS @ Fin = 17 GHz Output Rate 128 samples x 8 bit @ 437.5 MHz Signals <100 fs RMS jitter, <500 fs I/Q sample time error
Front Panel	Interface Connectors SMPM: Differential input for each channel, Trig IN as a differential, CLK IN, REF IN Micro USB for MGT RS-232 and FPGA RS-232 LEDs IPMI management control 4 Debug (user defined), 4x status and 1 Done LEDs Mechanical Hot-swap ejector handle
Software Support	Operating System Independent
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 VadaTech Terms and Conditions

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.