

Specifications

Architecture		
Physical	Dimensions	Single module, full-size Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
Type	AMC FPGA ADC/DAC	Xilinx UltraScale™ XCKU115 FPGA 20GB of DDR4: Two banks 8GB of DDR4 64-bit wide and one bank 4GB of DDR4 32-bit wide Octal wideband transceivers, AD9371
Standards		
AMC	Type	AMC.1 PCIe, AMC.2 Ethernet and AMC.4 SRIO (FPGA programmable)
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	Single or Dual x4 via FPGA to AMC per ordering option F
SRIO/XAUI	Lanes	Single or Dual x4 via FPGA to AMC per ordering option F
SerDes	Lanes	x8 via FPGA to AMC ports 12-15 and 17-20
Ethernet	GbE	Dual GbE
Configuration		
Power	AMC597	~55 W application dependent (may go up to 65 W)
Environmental	Temperature	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial and extended versions also available (See environmental spec sheet) Storage Temperature: -40° to +85°C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500Hz on each axis
	Shock	Operating 30G on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	22x Nanonics Coaxial: 1x4 and 2x9 connectors, MGT RS-232 and FPGA RS-232 1x mini DisplayPort
	LEDs	IPMI management control 8 user defined LEDs
	Mechanical	Hot-swap ejector handle
Software Support	Operating System	Agnostic
Conformal Coating		Humiseal 1A33 Polyurethane (Optional) Humiseal 1B31 Acrylic (Optional)
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 ISO9001:2000 and AS9100B:2004 standards
Warranty		Two (2) years

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μ TCA 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.