

Architecture

Physical	Dimensions	Single-width, Full-Height
		Width: 2.89 in. (73.5 mm)
Type	AMC FPGA Carrier	Depth: 7.11 in. (180.6 mm)
		Xilinx FGPA Virtex-7 Device XC7V2000T in 1925 Package
		PLL multiplier/divider with jitter cleaner
		Single FMC slot
		Single bank of DDR-III

Standards

AMC	Type	AMC.1, AMC.2, and AMC.4 (FPGA programmable)
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x4 or x8
SRIO	Lanes	Dual x4
XAUI	Lanes	Dual port XAUI
Aurora	Lanes	Dual x4
Ethernet	GbE	Dual 1000-BaseBX from PPC

Configuration

Power	AMC515	Carrier is 40W max without the Mezzanine
	Temperature	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 400 LFM)
Environmental		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	Front panel FMC
	LEDs	IPMI Management Control
		8 user defined LED
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks

Other

MTBF	MIL Handbook 217-F > TBD.
Certifications	Designed to meet FCC, CE and UL certifications where applicable
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards
Compliance	RoHS and NEBS
Warranty	Two (2) years.
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