

Architecture

Physical	Dimensions	Double-width, Full-Height
		Width: 5.85in. (148.5 mm)
Type	AMC FPGA Carrier	Depth: 7.11 in. (180.6 mm)
		Xilinx FGPA Virtex-5 Devices
		PLL multiplier/divider with jitter cleaner
		External clock with Trig in/out
		QDR-II

Standards

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

Configuration

Power	AMC510	Carrier is 10W 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	Three SMB style
	LEDs	IPMI Management Control
		12 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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