

AMC995 – LVDS Expansion Module via RJ-45, 16 Pairs (8 Tx, 8 Rx)

16 LVDS Expansion, RJ-45



KEY FEATURES

- 8 LVDS Transmit pairs
- 8 LVDS Receiver pairs
- Ports 12-15 and 17-20 (LVDS)
- Ports are routed to four RJ-45
- Single-module mid-size (option for full-size)

Benefits of Choosing VadaTech

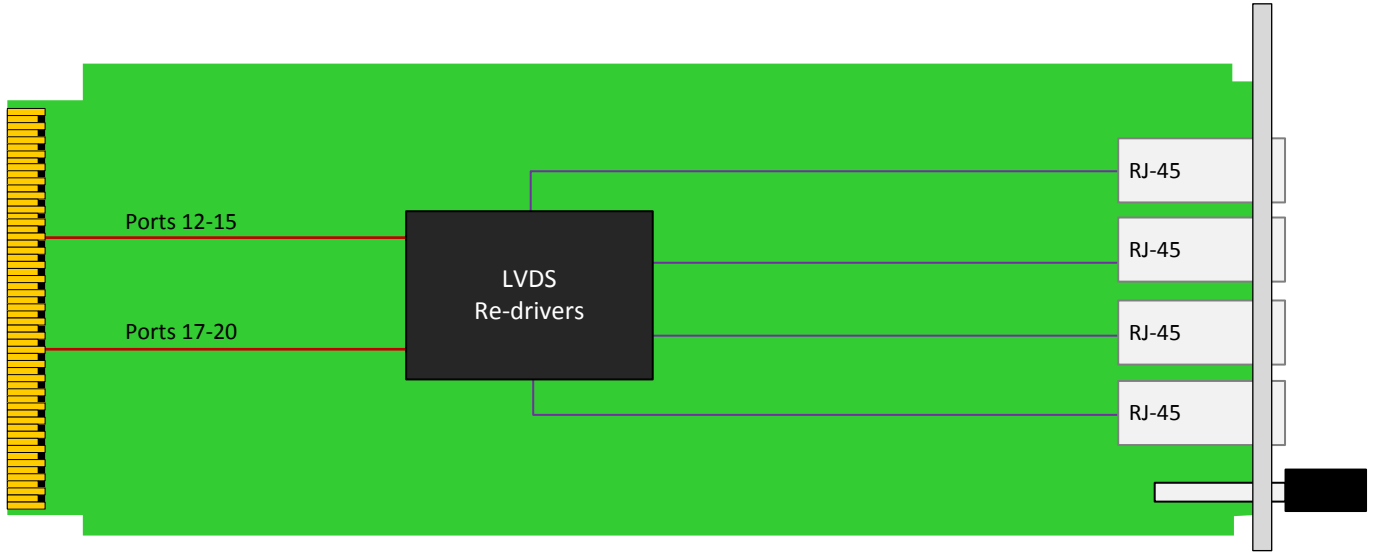
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The AMC995 routes 8 LVDS Transmit and 8 LVDS Receive lines from AMC ports 12-15 and 17-20 to the front via quad RJ-45 connectors. The module allows expansion via the front panel to other modules.

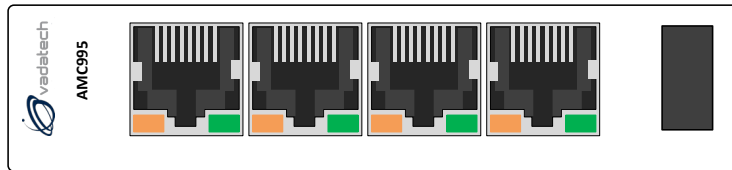
The module follows partial AMC.0 specification. **Please contact VadaTech for more details on this module before purchasing.**

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BLOCK DIAGRAM



FRONT PANEL



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SPECIFICATIONS

Architecture		
Physical	Dimensions	Single module, mid-size (full-size option available)
		Width: 2.89" (73.5 mm)
		Depth: 7.11" (180.6 mm)
Type	AMC LVDS	16 Pairs of LVDS (8 TX and 8 RX)
Configuration		
Power	AMC995	1 W
Environmental	Temperature	Operating temperature: -5° to 55° C (industrial versions also available (See environmental spec sheet))
		Storage temperature: -40° to +85° C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500 Hz
	Shock	30Gs on each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	Quad RJ-45
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Not applicable
Other		
MTBF	MIL Handbook 217-F@TBD Hrs	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Compliance	PICMG 3.0 Rev 3.0, RoHS 2 and NEBS Level 3.	
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.

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ORDERING OPTIONS

AMC995 – 00C – 000 – 00J

C = Front Panel Size

- 1 = Reserved
- 2 = Mid-size
- 3 = Full-size

J = Temperature Range and Coating

- 0 = Commercial, No coating
- 1 = Commercial, Humiseal 1A33 Polyurethane
- 2 = Commercial, Humiseal 1B31 Acrylic
- 3 = Industrial, No coating
- 4 = Industrial, Humiseal 1A33 Polyurethane
- 5 = Industrial, Humiseal 1B31 Acrylic
- 6 = Military, Humiseal 1A33 Polyurethane*
- 7 = Military, Humiseal 1B31 Acrylic*

*Edge of module for conduction-cooled boards

RELATED PRODUCTS



AMC592
FPGA Carrier for FMC, Kintex UltraScale



AMC527
FPGA Carrier for FMCs, Virtex-7



VT815
9U μTCA.0/ μTCA.4 Chassis, 12 AMCs

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