ART998 – ATCA Rear Transition Module (RTM) for ATC998

MicroTCA.4 RTM, Ethernet

KEY FEATURES

- ATCA RTM for VadaTech ATC998
- Eight RJ-45 for GbE
- RoHS compliant

Advanced TCA®

Benefits of Choosing VadaTech

- Expertise in RTM design
- Full ecosystem for ATCA (Chassis, Shelf Manager, switches, etc.)
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

The ART998 is an Ethernet pass-through ATCA Rear Transition Module (ARTM) that provides GbE to the rear. The module is designed to mate with Vadatech ATC998 front board.

ART998 provides Gbe access via eight RJ-45 ports to the rear. The GbE ports are routed from the front board through the Zone 3 connector.

BLOCK DIAGRAM

ATC998

ART998

Dual RJ-45

Dual RJ-45

Dual RJ-45

Dual RJ-45

8x 1000Base-T Ethernet

Zone 3 Connectors

8x 1000Base-T Ethernet

Zone 3 Connectors

Dual RJ-45

Dual RJ-45

Dual RJ-45

Dual RJ-45
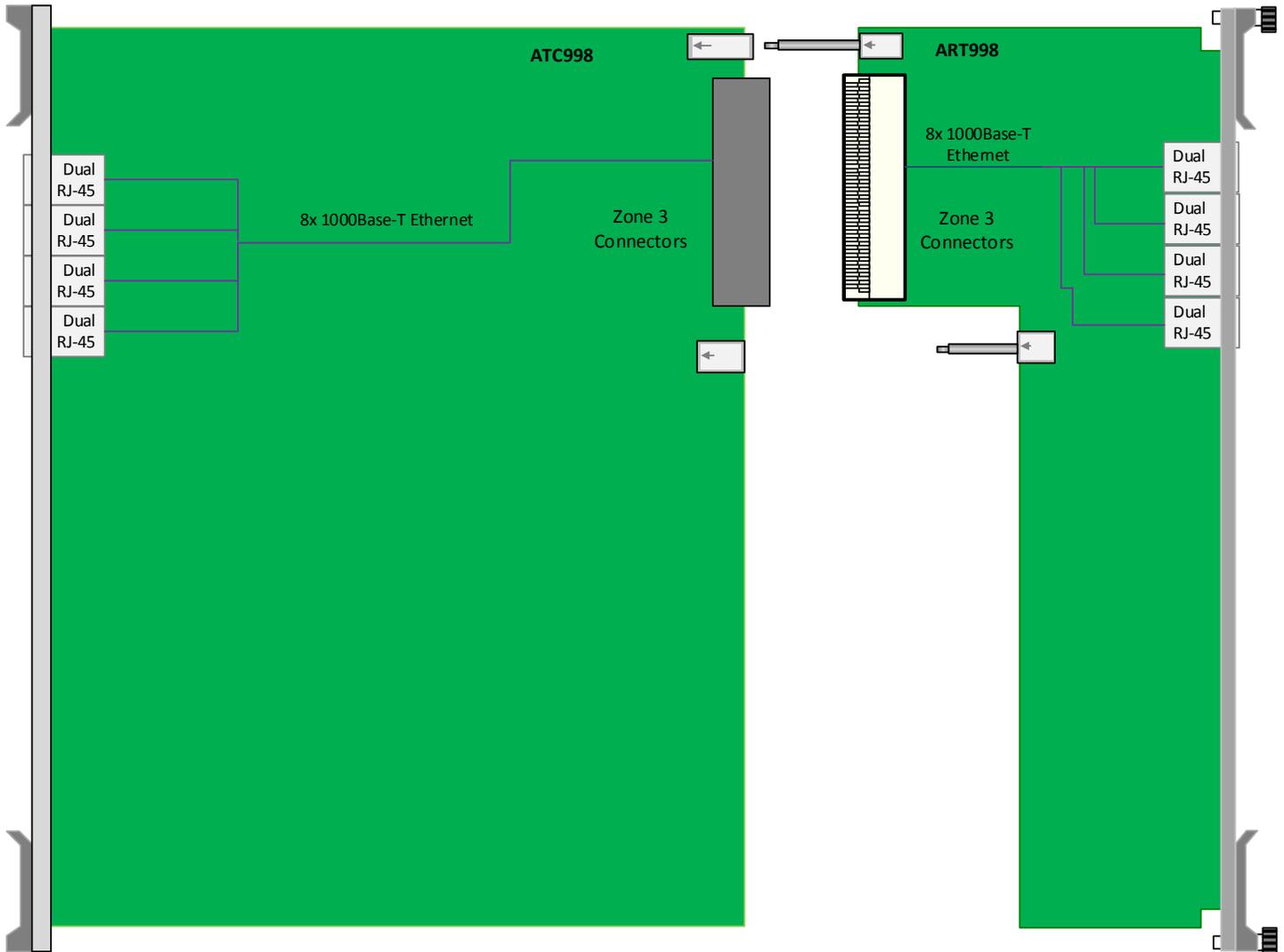
Figure 1: Functional Block Diagram

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width 12.69" (322.25 mm)
		Depth 3.7" (94 mm)
Type	ATCA RTM	I/O module
Standards		
Module Management	IPMI	IPMI Version 2.0
Ethernet		GbE
PICMG	ATCA	PICMG 3.0 R2.0
Configuration		
Power	ART998	0 W
Environmental	Temperature	Operating Temperature: -40° to 85° C
		Storage Temperature: –45° to +90° C
	Vibration	1G, 5 to 500 Hz on each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Rear I/O	GbE	Eight RJ-45 ports
	Mechanical	Hot Swap Ejector Handle
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 µTCA 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

ART998 – 000 – 000 – 00J

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

RELATED PRODUCTS
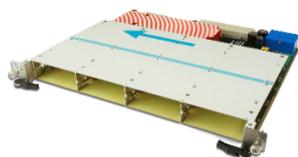
ATC133 10GbE ATCA Carrier	VT830 6U ATCA SlotSaver Shelf	ART132 ATCA RTM

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