ART119

ATCA Rear Transition Module (RTM) for VT994

ART119

Key Features

- AdvancedTCA RTM
- Mate specifically to the VT994 backplane
- Dual DB-9 for USB
- DB-15 for IPMI output
- RoHS compliant

Benefits

- Expertise in RTM design
- Full ecosystem of AdvancedTCA switches, processors, chassis platforms, and specialty blades
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

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ART119

The ART119 is an I/O expansion ATCA Rear Transition Module (ARTM) that mates specifically to the VT994 backplane. The module provides dual USB and Management I/O for the front blade through the VT994.

The module has dual USB ports through DB-9 connectors which route to the host via the EBBI connector.

The ART119 also provides a management port through a DB-15 connector.

Block Diagram

EBBI Connector

USB A — DB-9

USB B — DB-9

IPMI — DB-15

Panel

ART119

IPMI OUT

CDM 1

CDM 0

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info@vadatech.com | www.vadatech.com
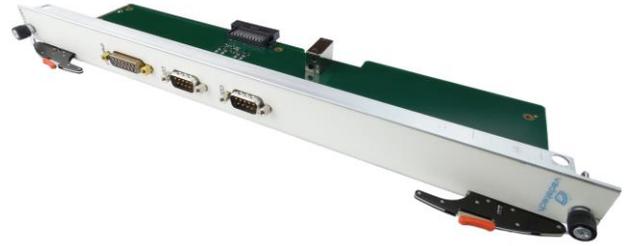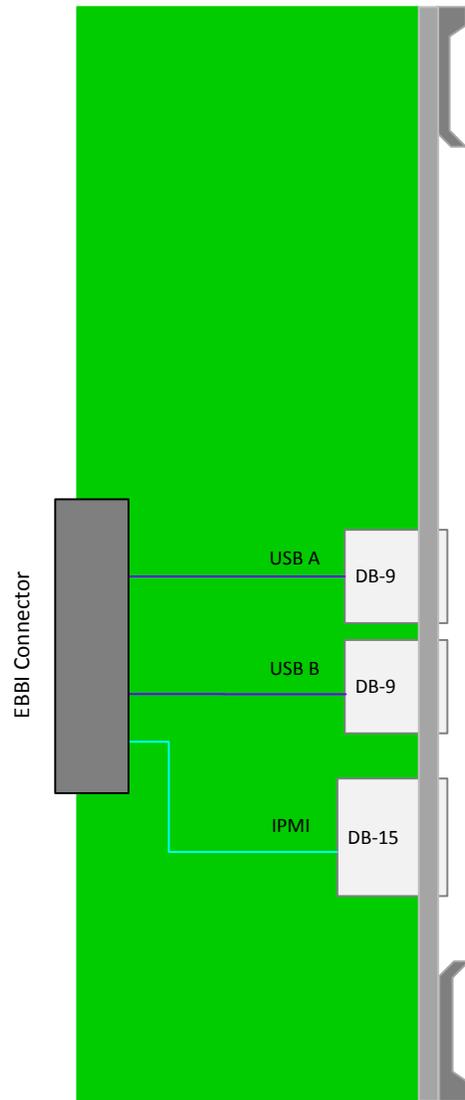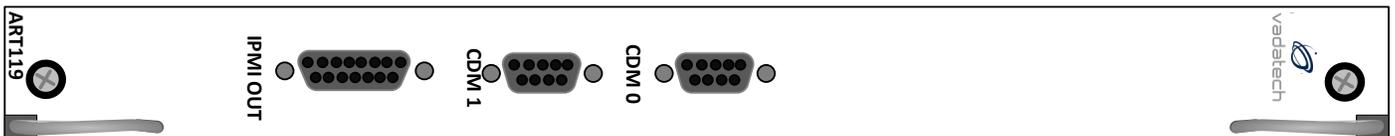
Specifications

Architecture		
Physical	**Dimensions**	Width: 12.69" (322.25 mm)
		Depth: 3.7" (94 mm)
Type	**ATCA RTM**	Rear I/O module
Standards		
PICMG	**ATCA**	PICMG 3.0 revision 2.0
Module Management	**IPMI**	IPMI version 2.0
USB		USB 2.0
Configuration		
Power	**ART119**	0.1 W
Environmental	**Temperature**	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial versions also available (See environmental spec sheet)
		Storage Temperature: –40° to +90°C
	Vibration	Operating 9.8 m/s^2 (1G), 5 to 500Hz on each axis
	Shock	Operating 325G / 2 ms, 160G / 1 ms
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	**Interface Connectors**	Dual DB-9 for USB
		DB-15 for IPMI out
	Mechanical	Hot swap ejector handle
Software Support	**Operating System**	Linux and Windows
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 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

ART119 – 000-000-0HJ

		H = Operating Temperature
		0 = Commercial 1 = Industrial
		J = Conformal Coating
		0 = None 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Related Products

VT994

- AdvancedTCA Backplane
- Dual slots
- Base and Fabric Channels

ATC126

- Dual 14-core Intel® Xeon® E5-2658, 2680 or 2648L v4 processors
- Eight banks of DDR4 for up to 256 GB memory
- 10/40GbE Fabric channels

VT830

- 19" rackmount 6U ATCA Chassis with integrated Switch and Shelf Manager
- 10GbE/GbE Managed Layer 2
- 40GbE/10GbE/GbE Managed Layer 3

Contact

VadaTech Corporate Office

198 N. Gibson Road, Henderson, NV 89014

Phone: +1 702 896-3337　|　Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhu Street, Neihu District, Taipei 114,Taiwan

Phone: +886-2-2627-7655　|　Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road, Southampton, SO40 9LR

Phone: +44 2380 016403

info@vadatech.com　|　www.vadatech.com

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