ART980A

ATCA Rear Transition Module (RTM) for VT980

ART980

Key Features

- AdvancedTCA RTM for VT980
- Dual DB-9 for USB
- DB-15 for IPMI output

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
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

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ART980A

The ART980A is an I/O expansion ATCA Rear Transition Module (ARTM) that is designed to mate specifically to the VT980 backplane. The module provides dual USB and Management I/O for the front blade through the VT980.

The module has dual USB Ports through DB-9 connectors which route to the host via a ruggedized connector.

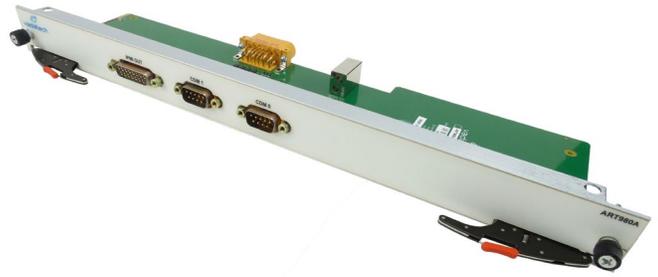The ART980A also provides a management Port via a DB-15 connector.
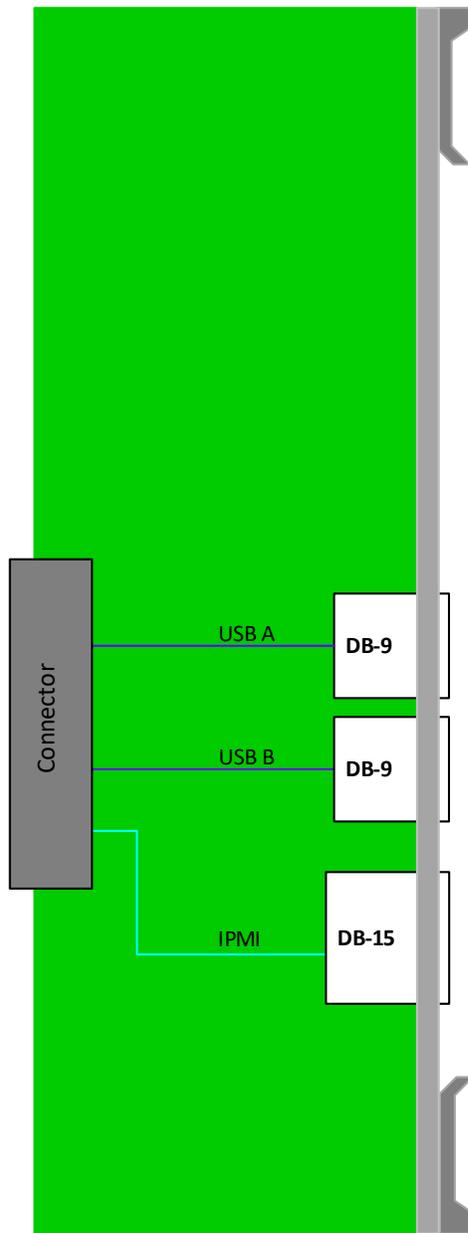

Figure 1: ART980A

ART980A – ATCA Rear Transition Module (RTM) for VT980

Block Diagram

Figure 2: ART980A Functional Block Diagram

Front Panel
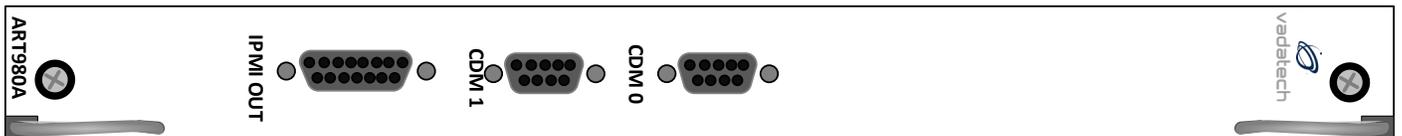
Figure 3: ART980A Front Panel

ART980A – ATCA Rear Transition Module (RTM) for VT980

Specifications

Architecture		
Physical	**Dimensions**	Width: 12.69" (322.25 mm)
		Depth: 3.7" (94 mm)
		Weight: TBD
Type	**ATCA RTM**	Rear I/O module for VT980
Standards		
PICMG	**ATCA**	PICMG 3.0 revision 2.0
Module Management	**IPMI**	IPMI v2.0
USB		USB 2.0
Configuration		
Power	**ART980A**	~0.1W
Environmental	**Temperature**	See Ordering Options
		Storage Temperature: –40° to +90°C
	Vibration	Operating 9.8 m/s^2 (1G), 5 to 500 Hz on each axis
	Shock	Operating 325G/2 ms, 160G/1 ms
	Relative Humidity	5 to 95% 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
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 ISO9001:2015 and AS9100D standards
Warranty		Two (2) years, see VadaTech Terms and Conditions

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), 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.

Ordering Options

ART980A – 000-000-0HJ

		H = Operating Temperature
		0 = Commercial 1 = Industrial
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Related Products

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

VT994

- AdvancedTCA Backplane
- Dual slots
- Base and Fabric Channels

Contact

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