

KEY FEATURES

- PCIe expansion via rear panel with fiber
 - Provides expansion to another ATC103/104/105/106/107/108/109, AMC103 or PCI103 board
- One 10/100Mbit Ethernet port from the management controller
- Management controller serial port
- RoHS compliant

The ART104 is a Rear Transition Module (RTM) that brings expandability to Vadatech's ATC104 carrier board. The ART104 is a passive RTM that allows for Management 10/100Mbit Ethernet, Management RS-232 serial interface and PCIe x4 lanes for expansion.

The ART104 can seamlessly be connected to an additional ART104/ART103/ATC103/104/105/106/107/108/109, AMC103 or PCI103 modules to increase the number of I/O slots via a PCIe fiber or copper expansion interconnect.

ATCA Rear Transition Module

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.687in. (322.25 mm)
		Depth: 3.701 in. (94.00 mm)
Type	Rear Transition	Expansion
Standards		
ATCA	Type	ATCA Rear Transition
Configuration		
Power	ART104	4W
Environmental	Temperature	Operating Temperature: 0° to 65° C
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
Expansion	Relative Humidity	5 to 95 percent, non-condensing
		PCle
Rear Panel	Interface Connectors	One 10/100Mbit RJ-45 connector
		Management Ethernet RJ-45 connectors
		One Serial RS-232 RJ-45 connector
		x4 PCle expansion via fiber
	LEDs	Link and Activity
PCle Lane Good		
Mechanical		Hot Swap Ejector Handle
Other		
MTBF	MIL Spec 217-F@ 495,000 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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years	
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ATCA Rear Transition Module

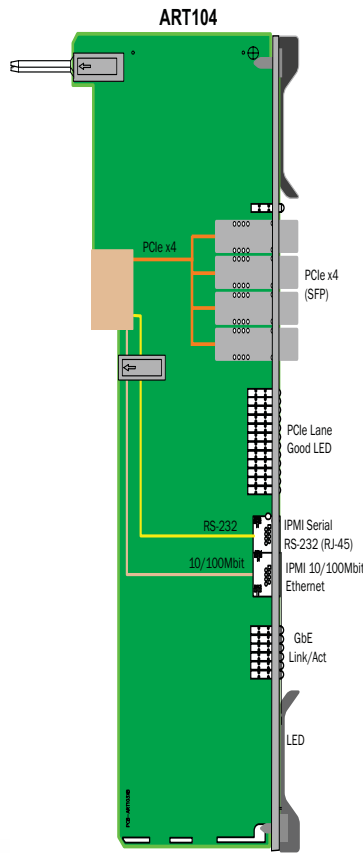


FIGURE 1. ART104 Functional Block Diagram

ORDERING OPTIONS

ART104 - A00 - 000 - 00J

A = Rear Panel Up/Downstream

- 0= Fiber LC/SX transceivers (850 nm)
- 1= Fiber LC/LX transceivers (1310 nm)

J = Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic

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