



KEY FEATURES

- PCIe expansion via rear panel with fiber or copper
 - Provides expansion to another ATC103/104/105/106/107/108/109, AMC103 or PCI103 board
- Management controller serial port
- RoHS compliant

The ART108 is a Rear Transition Module (RTM) that brings expandability to Vadatech's ATC108, ATC104, etc. carrier board. The ART108 is a passive RTM that allows for Management RS-232 serial interface and PCIe x4 lanes for expansion.

The PCIe x4 is either with Fiber or Copper. The Copper interface is via I-PASS x8 PCIe connector while the Fiber interface is via quad SFP interface.

The ART108 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.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

Advanced TCA®

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	ART108	4W (Fiber), Copper 2W
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
	PCIe	Expansion to another ART104/ART103 or to an ATC103, ATC104, ATC105, ATC106, ATC107, ATC108, ATC109, AMC103 or PCI103
Rear Panel	Interface Connectors	One Serial RS-232 RJ-45 connector
		x4 PCIe expansion via Copper or Fiber
	LEDs	Link and Activity
	Mechanical	PCle Lane Good
		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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years	
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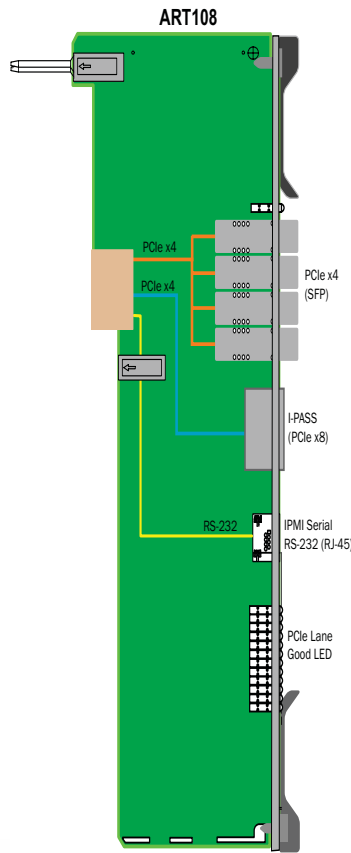


FIGURE 1. ART108 Functional Block Diagram

ORDERING OPTIONS

ART108 - A00 - 000 - 00J

A = Rear Panel Up/Downstream

- 0 = Copper via the I-PASS
- 1= Fiber LC/SX transceivers (850 nm)
- 2= Fiber LC/LX transceivers (1310 nm)

J = Conformal Coating

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

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