

### KEY FEATURES

- Single GbE L2 Switch Fabric
- Dual XAUI interface to the host
- L2 Light Management
  - Port Trunking
  - Port Mirroring
  - VLAN, etc.
- Routes host 10/100/1000 GbE to RJ-45
- Routes host RS-232 to RJ-45
- IPMI 2.0 Management Controller
- RoHS compliant

The ART110 is a Rear Transition Module (RTM) that brings expandability to the host board. The ART110 has single GbE L2 switch fabrics with XAUI interfaces to the host. This design allows complete isolation between the two XAUI ports by configuring the ports into their appropriate VLAN. The GbE switch has management such as port trunking, mirroring, VLAN, etc. which is configured via the management serial port, the shelf manager or the host IPMI controller (assuming the host IPMI controller has OEM command capability).

The module hosts a total of 12 SFP cages; providing the flexibility of using any combination of fiber or copper.

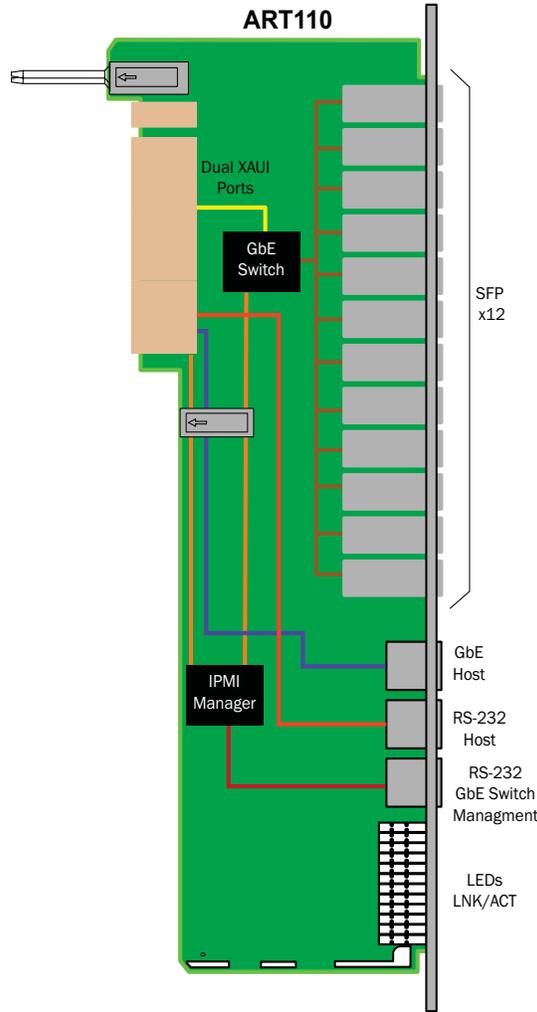
The ART110 further routes the host 10/100/1000 GbE port as well as the host RS-232 to RJ-45's for ease of access.

# ATCA Rear Transition Module

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.687in. (322.25 mm)
		Depth: 3.701 in. (94.00 mm)
Type	Rear Transition	GbE Switch
Standards		
ATCA	Type	ATCA Rear Transition
Configuration		
Power	ART110	20W
Environmental	Temperature	Operating Temperature: 0° to 65° C
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Rear Panel	Interface Connectors	12 SFP
		One 10/100/1000 GbE RJ-45 (Host)
		One Serial RS-232 RJ-45 (Host)
		One Serial RS-232 RJ-45 (GbE Management)
	LEDs	Link and Activity per GbE port
		IPMI Management
	Mechanical	Hot Swap Ejector Handle
Other		
MTBF	MIL Spec 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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# ATCA Rear Transition Module



**FIGURE 1.** ART110 Functional Block Diagram

## ORDERING OPTIONS

ART110 - A00 - D00 - GOJ

**A = SFP Fiber Transceiver Type**

- 0 = None
- 1 = LC/SX (850 nm)
- 2 = LC/LX (1310 nm)

**D = No. of SFP Fiber Ports**

- 0 = None
- 1-12 = Identifies number of fiber SFPs

**G = No. of SFP Copper Ports**

- 0 = None
- 1-12 = Identifies number of copper SFPs

**J = Conformal Coating**

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

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