ATCA Rear I/O Transition Module

ART112

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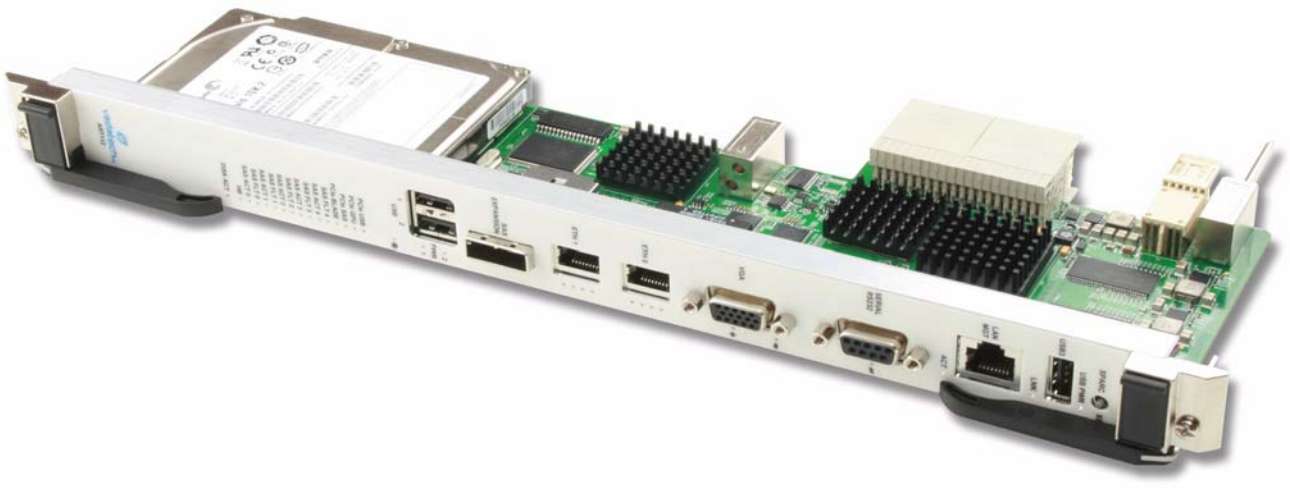

KEY FEATURES

- ATCA rear I/O Module for Blades (i.e. Sun Microsystems Netra Blade CP3260, CP3220, etc.)
- VGA resolution @ 1920x1200 with 128MB
- SAS Expander via I-PASS connector for JBOD
- On board 2.5" SAS/SATA Disk
- Three port USB 2.0 high speed (480Mbit/s)
- Front Blade Dual GbE to RJ-45 or LC Fiber (option for SX or LX)
- Front Blade RS-232 to DB-9
- IPMI 2.0 Management Controller
- RoHS compliant

The ART112 is a Rear Transition Module (RTM) module for ATCA Blades with Common Pinout definition on Zone three such as Sun Microsystems Netra CP3260, CP3220, etc. It brings expandability to the Blades via Rear I/O. The ART112 has a 2.5" SAS/SATA drive for storage, a SAS Expander connector, VGA, and USB 2.0 high speed ports.

Further, the ART112 routes the front Blade GbE ports, RS-232 port and the LAN management to the rear transition. The GbE has option for copper or LC Fiber. The Fiber is available in SX (short reach) or LX (long reach).

The GPU (Graphic Processing Unit) is 2D 24-bit color with up to 1920x1200 resolution. The GPU has 128MB of DDR memory.

The USB is 2.0 with three ports of High-Speed (480Mbits/s).

The SAS HBA has one port routed to the on board disk and four ports routed to the I-PASS connector for expandability.

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

AdvancedTCA®

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ATCA Rear I/O Transition Module

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Width: 12.687in. (322.25 mm)
		Depth: 3.701 in. (94.00 mm)
Type	**Rear Transition**	I/O Expansion
Standards		
ATCA	**Type**	ATCA Rear Transition
Configuration		
Power	**ART112**	16 W
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**	RS-232 (DB-9)
		Dual 1000 GbE (RJ-45 for copper, LC style for Fiber)
		Triple USB (Type A receptacles)
		VGA (DB-15)
		SAS Expander (I-PASS)
		Management LAN (RJ-45)
	LEDs	LNK/ACT per GbE port
		IPMI Management
		SAS ACT/FLT
		LAN Management LNK/ACT
	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	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	

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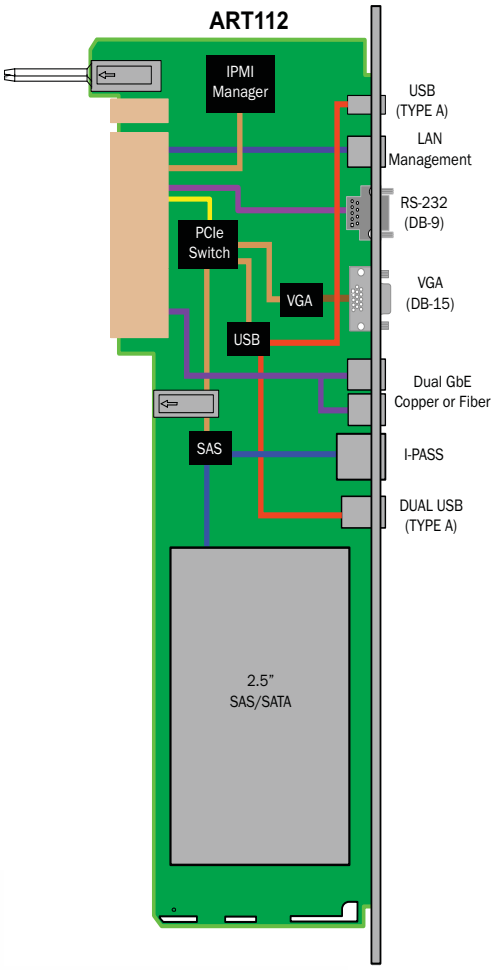
FIGURE 1. ART112 Functional Block Diagram



ORDERING OPTIONS

ART112 - ABC - DE0 - 00J

A = SATA Drive Capacity

0 = None
1 = Reserved
2 = Reserved
3 = 120 Gbytes
4 = 200 Gbytes
5 = 320 Gbytes
6 = Reserved
7 = 2.5" Solid State Drive (SSD)
(Contact sales for availability)

B = SATA Disk Option

0 = Standard
1 = 24x7

C = Temp

0 = Standard Temperature Range (0° C to +60° C)
1 = Extended Temperature Range* (-20° C to +80° C)

D = SAS Drive Capacity

0 = None
1 = 73 Gbytes
2 = 146 Gbytes
3 = Reserved
4 = Reserved

E = GbE

0 = Copper
1 = Fiber LC SX
2 = Fiber LC LX

J = Conformal Coating

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

*Available for the SSD option only

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