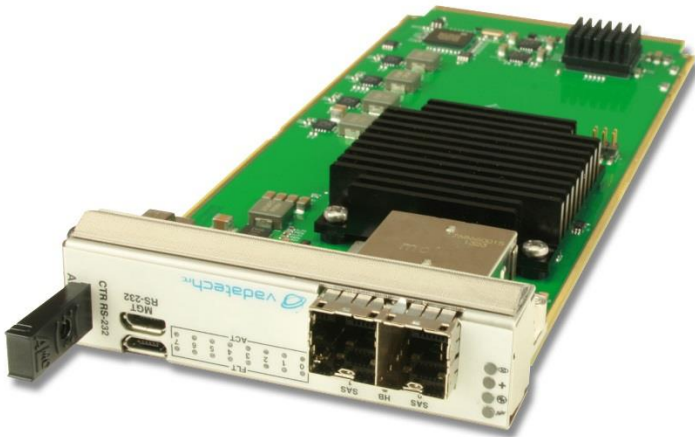


AMC Integrated RAID, Expansion w/HBA – AMC626

AMC Integrated RAID, HBA



KEY FEATURES

- Host Bus Adapter (HBA) for external SATA III (6.0 Gbps) or SAS-3 (12 Gbps) drives
- AMC.1 compliant
- PCIe Gen3 x8 or x4
- Support for 8 SAS/SATA ports
- Dual expansion ports to external devices
- Integrated RAID 0, 1, 1E, and 10
- Single module, mid-size (full-size options available).
- IPMI 2.0 compliant
- RoHS compliant

Benefits of Choosing VadaTech

- PCIe Gen 3 provides four times the back-end transfer rate as previous VadaTech modules
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Fault tolerant data storage
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The AMC626 is an integrated RAID with a Host Bus Adapter for external SATA III or SAS-3 drives. AMC.1 compliant, the AMC module routes PCIe Gen 3 x8 or x4 to the backplane. The storage module has integrated RAID 0 (striping), 1 (mirroring), 1E, and 10 (mirroring and block-level striping).

Dual SFF-8644 connectors on the front panel provide dual x4 expansion to an external JBOD or other storage device (including other VadaTech storage AMCs). The AMC626 comes in the single module, mid-size. A full-size panel option is also available.

VadaTech can modify this product to meet special customer requirements. Contact us to discuss your application.

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

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

BLOCK DIAGRAM

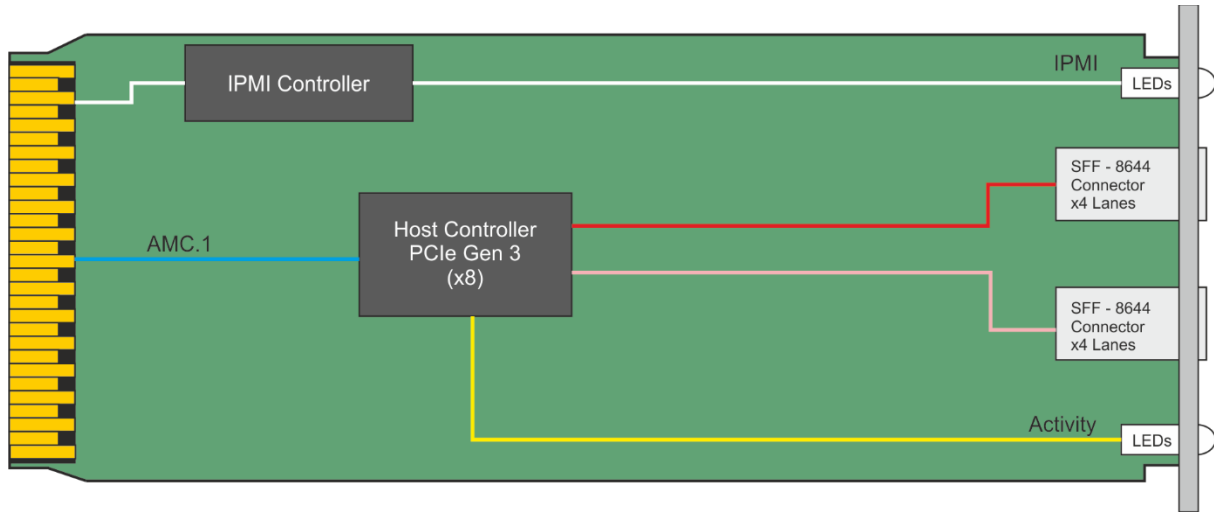


Figure 1: Block Diagram



Figure 2: Front Panel

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single module, mid-size (full-size option available)
		Width: 2.89" (73.5 mm)
		Depth: 7.11" (180.6 mm)
Type	AMC Storage	Integrated RAID (0, 1, 1E, and 10)
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	PCIe Gen 3, x8 or x4
Configuration		
Power	AMC626	7 W without the drive
Environmental	Temperature	Operating temperature: -5° to 55° C (air flow requirement of >200 LFM, industrial and military versions also available (See environmental spec sheet))
		Storage temperature: -40° to +85° C with the disk
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500 Hz
	Shock	Operating 325G/2 ms, 160G/1 ms
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Connectors	Dual SFF-8644, dual RS-232 (CRT, MGT)
	LEDs	IPMI management control
		Activity, Heartbeat
	Mechanical	Hot swap ejector handle
Other		
MTFB	MIL Handbook 217-F@TBD Hrs	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Compliance	RoHS and NEBS.	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years	
Trademarks and Disclaimer	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice	

ORDERING OPTIONS

AMC626 – A0C – 000 – 0HJ

A = PCIe

- 1 = PCIe x4
- 2 = PCIe x8

C = Front Panel Size

- 1 = Reserved
- 2 = Mid-size
- 3 = Full-size

H = Operating Temperature

- 0 = Commercial (-5° to +55° C)
- 1 = Industrial (-20° to +70° C)**
- 2 = Military (-40° to +80° C)**^

J = Conformal Coating

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

* Contact VadaTech for more information on SSD drive size and availability

** Available only for SSD option ^Edge of module for conduction-cooled

RELATED PRODUCTS



**EXP100 Express
Chassis Platform**



MCH002 MCH



**UTC020 1000W
DC Power Module**

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