

AMC619

SATA HBA with USB 2.0 to SDHC Socket, AMC



AMC619

Key Features

- AMC.2 SATA Host Bus Adapter
- USB 2.0 to SDHC Socket
- Allows for any 2.5" SATA Disk
- Port 2 to SATA interface
- Port 20 (RX) for the USB 2.0 to SDHC socket
- Single module, mid-size per AMC.0 for SSD and full-size for Enterprise Hard drive or large SSD Size
- IPMI 2.0 compliant

Benefits

- Multi-Terabit storage capacity in a single module AMC form factor carrier
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

AdvancedMC™



vadatech
THE POWER OF VISION



AMC619

The AMC619 is an AMC.2 Host Bus Adapter (HBA) which supports one SATA 2.5" disk as well as USB 2.0 to SDHC socket.



Figure 1: AMC619

Block Diagram

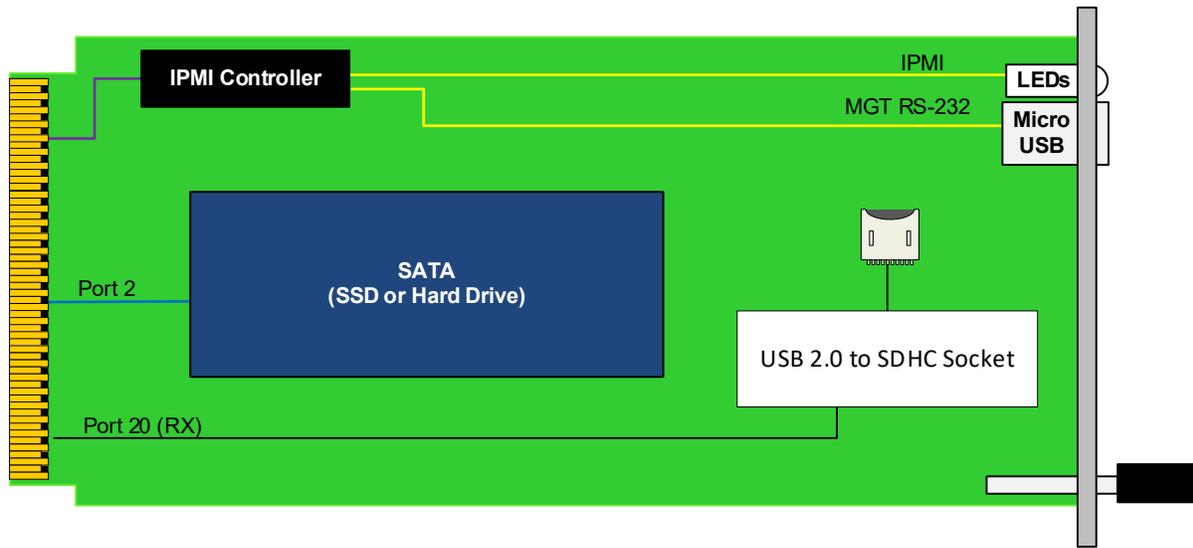


Figure 1: AMC619 Functional Block Diagram

Specifications

Architecture	
Physical	Dimensions Single module, mid-size (full-size optional for Enterprise Hard drive or large SSD) Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
Type	AMC Storage 2.5" SATA and/or SDHC
Standards	
AMC	Type AMC.2
Module Management	IPMI IPMI v2.0
PCIe	Lanes None
Storage	Drives Up to one SATA drive and one SDHC
Configuration	
Power	AMC619 4W
Environmental	Temperature See Ordering Options and Environmental Spec Sheet Storage Temperature: -40° to +85°C
	Vibration Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis
	Shock Operating 325G/2 ms, 160G/1 ms
	Relative Humidity 5 to 95% non-condensing
Front Panel	Interface Connectors Micro USB connector for MGT RS-232
	LEDs IPMI management control Activity
	Mechanical Hot-swap ejector handle
Software Support	Operating System Linux, Windows, Solaris and VxWorks
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 ISO9001:2015 and AS9100D standards
Warranty	Two (2) years, see VadaTech Terms and Conditions

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

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

Ordering Options

AMC619 – ABC-D00-00J

A = SSD	D = SDHC Socket	
0 = No SSD 1 = 2 TB 2 = 4 TB 3 = 8 TB 4 = Reserved	0 = No storage 1 = 32GB 2 = 64GB 3 = Reserved	
B = Rotary Enterprise Hard Drive		
0 = No Disk 1 = 10 TB 2 = 18 TB 3 = Reserved		
C = Front Panel		J = Temperature Range and Coating
1 = Reserved 2 = Mid-size 3 = Full-size 4 = Extended-size (8 HP) 5 = Mid-size, MTCA.1 (captive screw) 6 = Full-size, MTCA.1 (captive screw)		0 = Commercial (–5° to +45°C), No coating 1 = Commercial (–5° to +45°C), Humiseal 1A33 Polyurethane 2 = Commercial (–5° to +45°C), Humiseal 1B31 Acrylic 3 = Reserved 4 = Industrial (–20° to +70°C), Humiseal 1A33 Polyurethane 5 = Industrial (–20° to +70°C), Humiseal 1B31 Acrylic

Related Products

VT950



- MicroTCA rugged 1U 19" rackmount chassis platform
- Meets MIL-STD-810F, MIL-STD-901D for shock/vibration
- Meets MIL-STD-461E for EMI

AMC626



- 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

AMC629



- Host Bus Adapter (HBA) for external SATA III (6.0 Gbps) or SAS-3 (12 Gbps) drives
- Conduction cooled version available
- Integrated RAID 0, 1, 1E, and 10

Contact

VadaTech Corporate Office

198 N. Gibson Road, Henderson, NV 89014

Phone: +1 702 896-3337 | Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhua Street, Neihu District, Taipei 114, Taiwan

Phone: +886-2-2627-7655 | Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road, Southampton, SO40 9LR

Phone: +44 2380 016403

info@vadatech.com | www.vadatech.com

Choose VadaTech

We are technology leaders

- First-to-market silicon
- Constant innovation
- Open systems expertise

We commit to our customers

- Partnerships power innovation
- Collaborative approach
- Mutual success

We deliver complexity

- Complete signal chain
- System management
- Configurable solutions

We manufacture in-house

- Agile production
- Accelerated deployment
- AS9100 accredited



vadatech
THE POWER OF VISION

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.

© 2020 VadaTech Incorporated. All rights reserved.
DOC NO. 4FM737-12 REV 01 | VERSION 1.2 – FEB/22