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

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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.
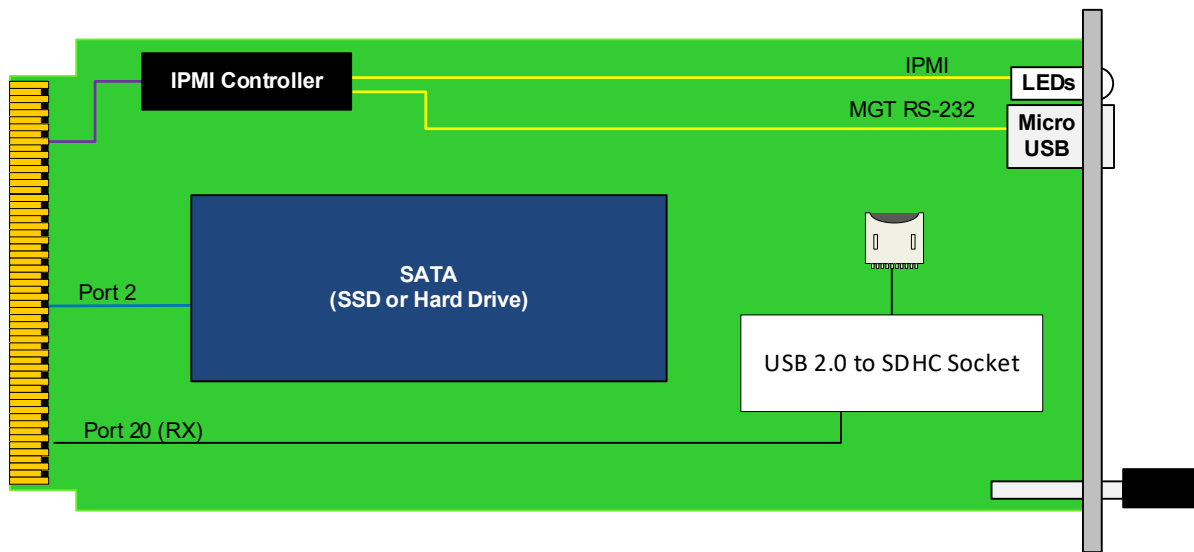
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Figure 1: AMC619

Block Diagram

Figure 1: AMC619 Functional Block Diagram

AMC619 – SATA HBA with USB 2.0 to SDHC Socket

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, Wenhu 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

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