

AMC352

Quad Video Decoder to HDMI/DVI

Key Features

- Quad Decoder
- HDMI/DVI digital video output
- Decodes H.264, MPEG-4, H.263, etc. up to Full-HD
- 1920x1080 @ 60 Frame Per Second (FPS)
- Encoded data is provided via the PCIe or GbE to the Decoder

Benefits

- Compact multi-channel design
- Flexible choice of data routing, GbE interface or PCIe fabric
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house

AdvancedMC™



vadatech
THE POWER OF VISION



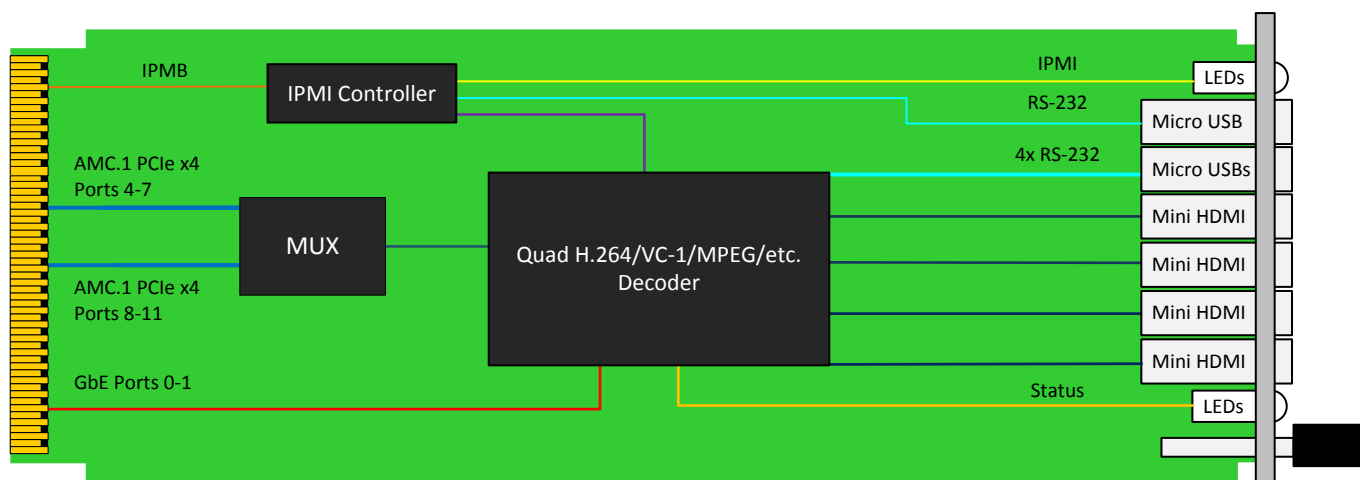
AMC352

The AMC352 is an AMC form factor video decoder module with quad HDMI/DVI output. The Video Decode Engine can decode compressed video in H.264 BP/MP/HP, VC-1 SP/MP/AP, MPEG-4/ASP, H.263P3, DivX/XviD, VP8, Theora, AVS, RV-8/9/10 formats of up to Full-HD 1920x1080 resolution.

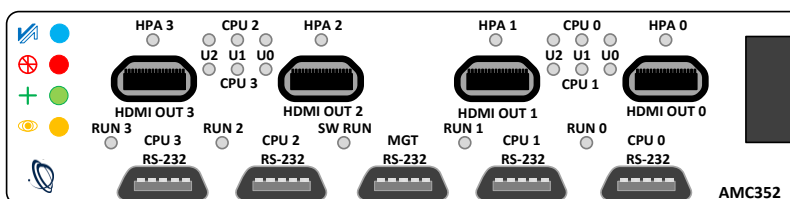
The AMC352 provides error detection, concealment and error resilience tools with FMO/ASO support. Supports all VC-1 profile features, multi-resolution (dynamic resolution) without scaling and returns related information.

The data to the decoder can be provided via PCIe and/or GbE.

Block Diagram



Front Panel



Specifications

Architecture		
Physical	Dimensions	Single module, mid-size (full-size optional)
		Width: 2.89" (73.5 mm)
		Depth 7.11" (180.6 mm)
Type	Video Decoder	H.264, VC-1, MPEG-1/2, MPEG-4, DivX, VP8, MVC, etc.
	Video Resolution	Full-HD 1920x1080 @ 60 FPS
Standards		
AMC	Type	AMC.0, AMC.1 and AMC.2
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	x4
Configuration		
Power	AMC352	9W
Environmental	Temperature	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial and extended versions also available (See environmental spec sheet)
		Storage Temperature: -40° to +85°C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500Hz on each axis
	Shock	Operating 30G on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Interface Connectors	4x mini HDMI for video output
		5x micro USB for RS-232 (management and payload)
	LEDs	IPMI management control
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Linux and Windows
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)
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 ISO9001:2000 and AS9100B:2004 standards
Warranty		Two (2) years

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.

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

AMC352 – A0C-000-00J

A = Interface		
0 = PCIe and GbE 1 = PCIe only 2 = GbE only		
C = Front Panel		
1 = Reserved 2 = Mid-size 3 = Full-size		
		J = Temperature Range and Coating
		0 = Commercial, No coating 1 = Commercial, Humiseal 1A33 polyurethane 2 = Commercial, Humiseal 1B31 acrylic 3 = Industrial, No coating 4 = Industrial, Humiseal 1A33 polyurethane 5 = Industrial, Humiseal 1B31 acrylic 6 = Extended, Humiseal 1A33 polyurethane* 7 = Extended, Humiseal 1B31 acrylic*

*Conduction cooled, temperature is at edge of module. Consult factory for availability

Related Products

AMC347



- Dual RGsB Input
- Dual Video outputs capable of driving up to 110 feet over Coax
- Dual Display Port (DP) input

AMC350



- Quad H.264 Encoder
- HDMI digital video input
- Encodes H.264, MPEG-4 and H.263 up to Full-HD

VT840



- Six single module, mid-size AMC slots per 1U carrier size AMC slots)
- Fully redundant power with failover (non-redundant is optional)
- x8 PCIe Gen 3 on ports 4 to 11

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.

© 2017 VADATECH INCORPORATED, ALL RIGHTS RESERVED.
DOC NO. 4FM737-12 REV 01 | VERSION 1.0 – JUL/17