

AMC352

Quad Video Decoder to HDMI/DVI



AMC352

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
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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AdvancedMC™



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

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.

See [Super Carrier](#) for high-density processing platforms compatible with this product.



Figure 1: AMC352

Block Diagram

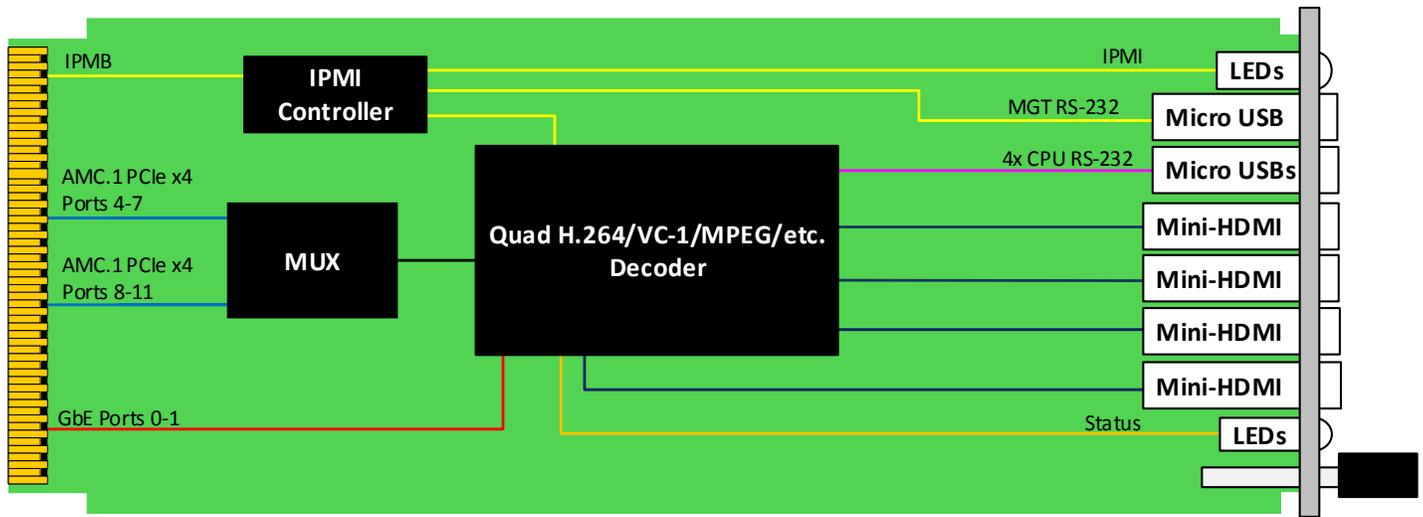


Figure 2: AMC352 Functional Block Diagram

Front Panel

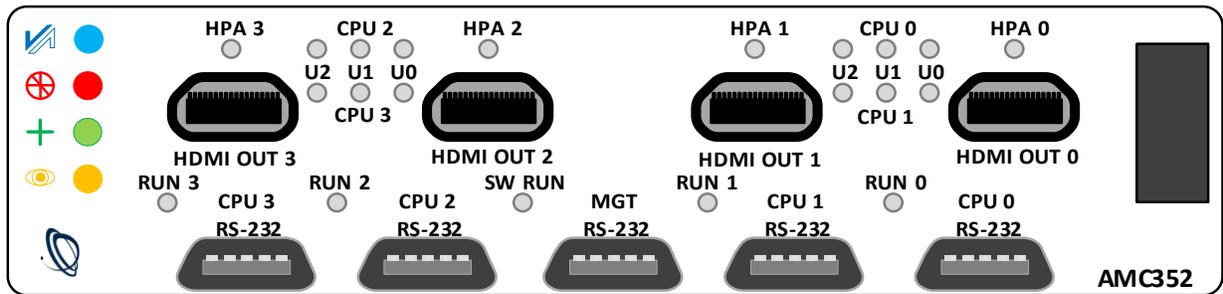


Figure 3: AMC352 Front Panel

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 v2.0 |
| PCIe | Lanes x4 |
| Configuration | |
| Power | AMC352 9W |
| 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 30G on each axis Relative Humidity 5 to 95% 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 |
| 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

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* |

Notes:

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

Related Products

AMC347



- Dual RGB 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

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DOC NO. 4FM737-12 REV 01 | VERSION 1.5 – FEB/20