

AMC347

RGsB Video Input to H.264 Encoder
and Display Port (DP) to RGsB
75 Ohms per RS-343A



AMC347

Key Features

- RGsB Input to H.264 encode @ 60 Frame Per Second (FPS)
- Max input resolution 1920x1200
- Display Port (DP) input to RGsB output
- Video outputs capable of driving 75 Ohms up to 110 feet (per RS-343A)
- Max display resolution on the RGsB output 1600x1200 @ 60Hz
- Encoded data is available via PCIe x4

Benefits

- Compact, multi-function video module
- Flexible choice of PCIe to Ports 4-7 or 8-11

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AMC347

The AMC347 has RGSB and DP video inputs with an RGSB output. The module encodes the RGSB input to H.264 and provides data to the host over PCIe.

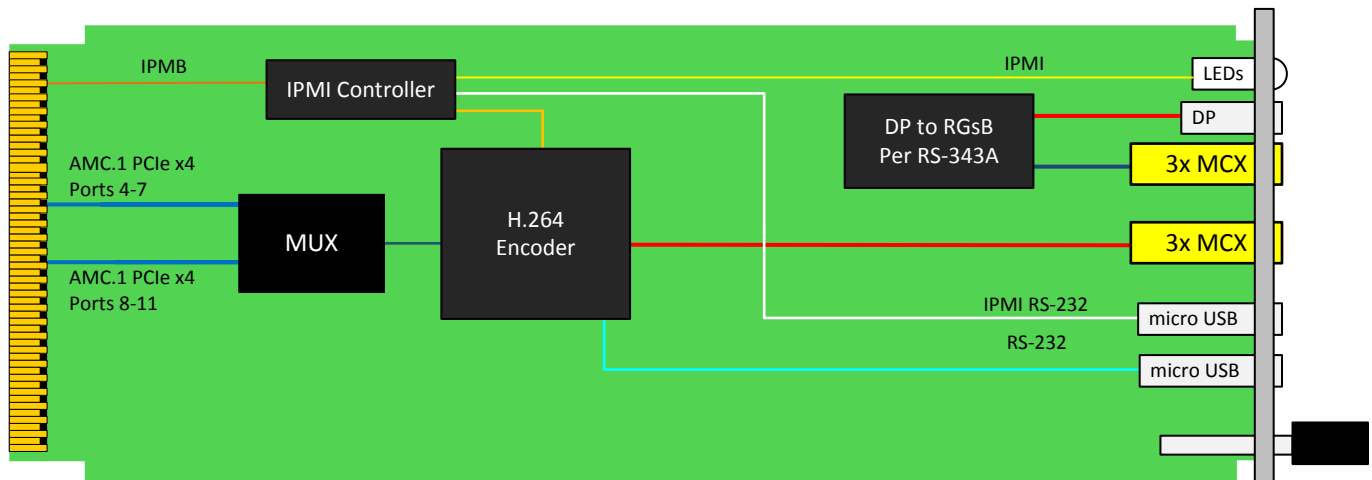
The module converts the DP input to RGSB output which is capable of driving UXGA video up to 110 feet over coaxial cable. The output characteristic being 1 VPP into 75 ohms per RS-343A which can drive a minimum of 110 feet.

The RGSB input/output connectors are 75 Ohms MCX style.

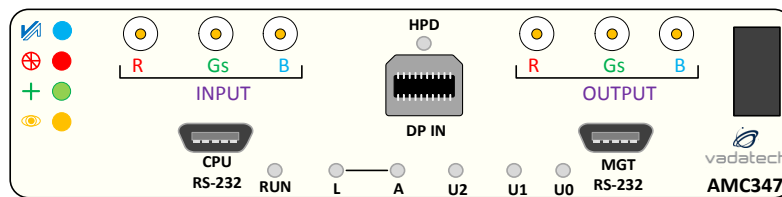
Note that the DP input is independent to the RGSB video input.



AMC347 Block Diagram



AMC347 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 RGB to H.264 and DP to RGB output per RS-343A Video Resolution RGB @ 1920x1200 and RGB out 1600x1200
Standards	
AMC	Type AMC.1
Module Management	IPMI IPMI version 2.0
PCIe	Lanes Dual x4
Configuration	
Power	AMC347 6W
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%, non-condensing
Front Panel	Interface Connectors MCX at 75 Ohms for RGB input/output Mini Display Port for video input Dual 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.

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Ordering Options

AMC347 – 00C-000-00J

C = Front Panel	J = Temperature Range and Coating
1 = Reserved 2 = Mid-size 3 = Full-size	0 = Commercial (–5° to +55° C), No coating 1 = Commercial (–5° to +55° C), Humiseal 1A33 Polyurethane 2 = Commercial (–5° to +55° C), Humiseal 1B31 Acrylic 3 = Industrial (–20° to +70° C), No coating 4 = Industrial (–20° to +70° C), Humiseal 1A33 Polyurethane 5 = Industrial (–20° to +70° C), Humiseal 1B31 Acrylic 6 = Extended (–40° to +85° C), Humiseal 1A33 Polyurethane 7 = Extended (–40° to +85° C), Humiseal 1B31 Acrylic

Related Products

UTC004



- Single module, full size per AMC.0
- Unified 1GHz quad-core CPU for MCMC, Shelf Manager, Clocking, and Fabric management
- Automatic fail-over with redundant UTC004s

AMC726



- Intel® 4th Gen Core i7-4700EQ with QM87 chipset
- PCIe Gen3 x4 on ports 4-7 and 8-11 or single PCIe x8 on ports 4-11 (AMC.1)
- Serial over LAN

AMC350

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

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