

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
- Dynamic pan and zoom/crop
- Encoded data is available via PCIe x4
- 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 @ 60 Hz

Benefits

- Compact, multi-function video module
- Flexible choice of PCIe to Ports 4-7 or 8-11
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

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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 DP input is independent to the RGSB video input.

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

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



Figure 1: AMC347

Block Diagram

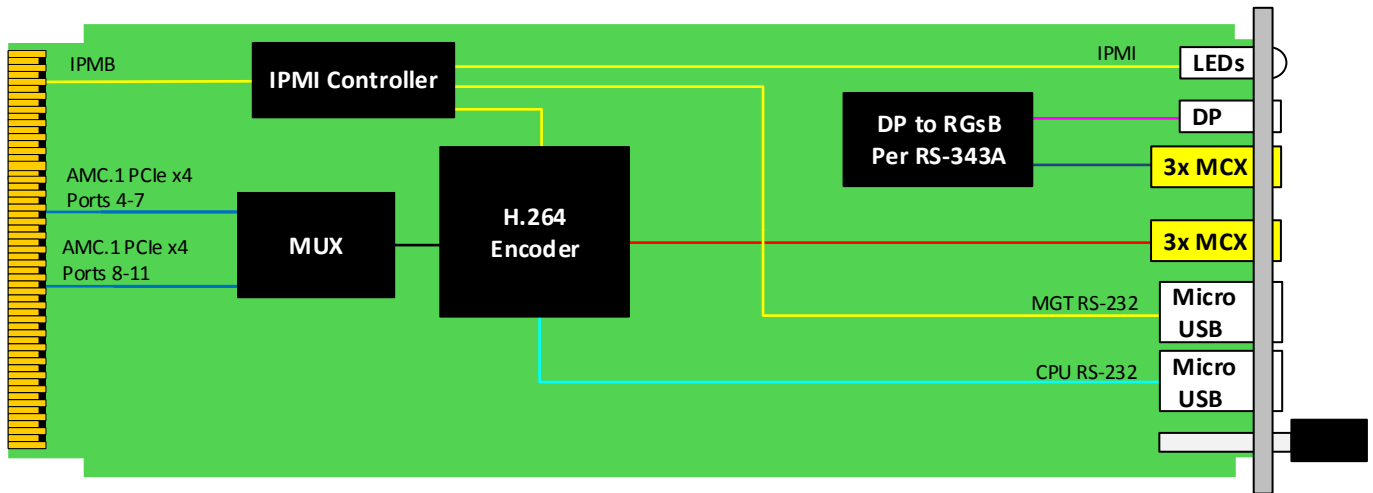


Figure 2: AMC347 Functional Block Diagram

Front Panel

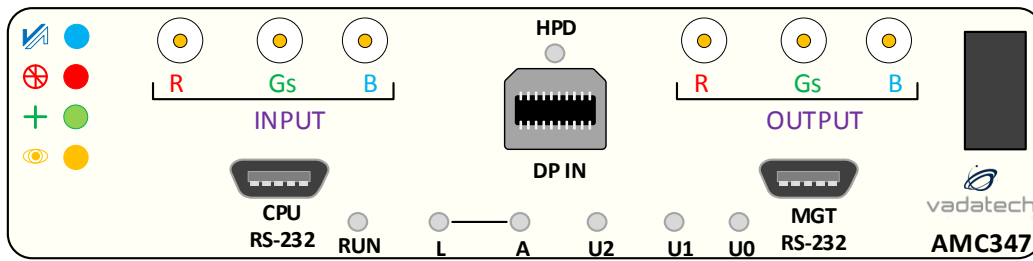


Figure 3: AMC347 Front Panel

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	RGsB to H.264 and DP to RGsB output per RS-343A
	Video Resolution	RGsB @ 1920x1200 and RGsB out 1600x1200
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI v2.0
PCIe	Lanes	Dual x4
Configuration		
Power	AMC347	6W
Environmental	Temperature	See Ordering Options and Environmental Spec Sheet
	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	MCX at 75 Ohms for RGsB 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
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

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 1 GHz 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

Contact

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