



### KEY FEATURES

- AMC.1 compliant
- Mid-height and full-height options
- Two IEEE-1394a ports (front panel accessible)
- 400Mbits/s throughput
- Key features of FireWire include:
  - High data transfer rates
  - Large number and range of devices
  - Plug-and-play connectivity
  - On-bus power
  - Asynchronous and isochronous data transfer
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The AMC311 is a single-width, mid-height (option for full-height) AdvancedMC™ (AMC) based on the AMC.1 specification. The AMC311 provides two IEEE-1394a (FireWire) ports. FireWire is a high-speed serial input/output (I/O) technology for connecting peripheral devices to a computer or to each other. The ports are available through the front panel using two 6-pin IEEE-1394a connectors.

Devices may be daisy-chained or connected to hubs to attach as many as 62 devices to a single FireWire bus.

FireWire allows for true hot-swappable, plug-and-play connection of peripheral devices. There is no need to shut down the system before adding or removing a FireWire device. Nor do you need to install drivers, assign unique ID numbers, or move terminators.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

**AdvancedMC™**

# AMC Dual Port FireWire Adapter

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width, Mid-Height (with Full-Height option)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	AMC Serial	IEEE1394a (FireWire)
	2 Channels	400Mbps/s throughput, Asynchronous and Isochronous transfer
	No. of Devices	Up to 62 devices (per port using hub)
	Drivers	No drivers to install, no unique ID numbers to assign or the removal of terminators
	Connectivity	Plug-and-play
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x1
Configuration		
Power	AMC311	2W, without any device attached (provides 30V to external device)
Environmental	Temperature	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	Two 6-pin IEEE-1394a connectors, cable distances of up to 15 ft. (4.5 m)
	LEDs	IPMI Management Control
		Activity, one per port
	Mechanical	Hot Swap Ejector Handle
	Conformal Coating	Humiseal 1A33 Polyurethane Conformal Coating
Humiseal 1B31 Acrylic Conformal Coating		
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 217-F > 490,000 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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years.	
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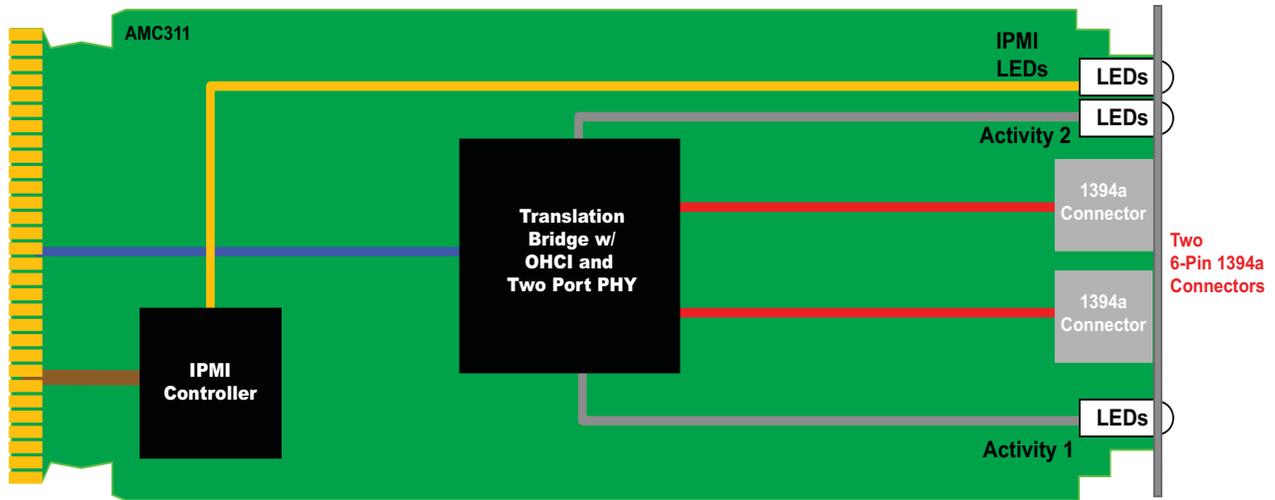


FIGURE 1. AMC311 Functional Block Diagram

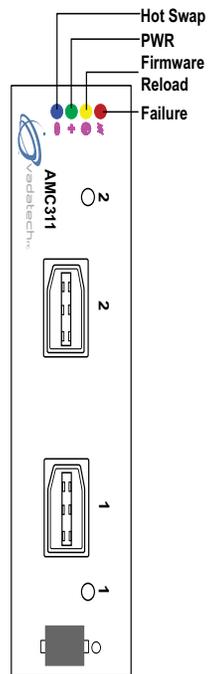


FIGURE 2. AMC311 Front Panel

# AMC Dual Port FireWire Adapter

## ORDERING OPTIONS

AMC311 - 00C - 000 - 00J

**C = Front Panel Height**

- 1 = Reserved
- 2 = Mid-Height
- 3 = Full-Height

**J = Conformal Coating**

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic



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