

KEY FEATURES

- Provides a low cost DVI-I interface
- AMC.1 compliant
- PCIe x1
- Single-width, mid-height or full-height (see ordering options)
- Support for 1920x1440 resolution
- 16MB of DDR Memory
- IPMI 2.0 compliant
- RoHS compliant

The AMC349 is VadaTech low cost AMC graphic module.

The board features SM750 graphic processor from Silicon Motion. The display mode supports resolutions up to 1920x1440.

The AMC349 is AMC.1 compliant and is available in a single-width, mid or full-height AMC form factor.

The AMC349 is available in Conduction Cooled.

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

AdvancedMC™

AMC Low Cost Video DVI/VGA

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 Video	DVI-I
	Single Ports	DVI-I connector provides both the DVI as well as the VGA output
	Video Resolution	Screen resolutions up to 1920x1440
	Memory	16 MB of DDR memory
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x1
Configuration		
Power	AMC349	4W
Environmental	Temperature	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM), Conduction cooled unit does not need any air flow
		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 Connector	DVI-I
	LEDs	IPMI Management Control
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux, Windows, Solaris
Other		
MTBF	MIL Spec 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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	
Notes	<ol style="list-style-type: none"> LFH to two DVI-I connectors "Y" adapter cable for digital displays can be ordered separately. LFH to two standard HD15 connectors "Y" adapter cable for use with analog displays can be ordered separately. 	

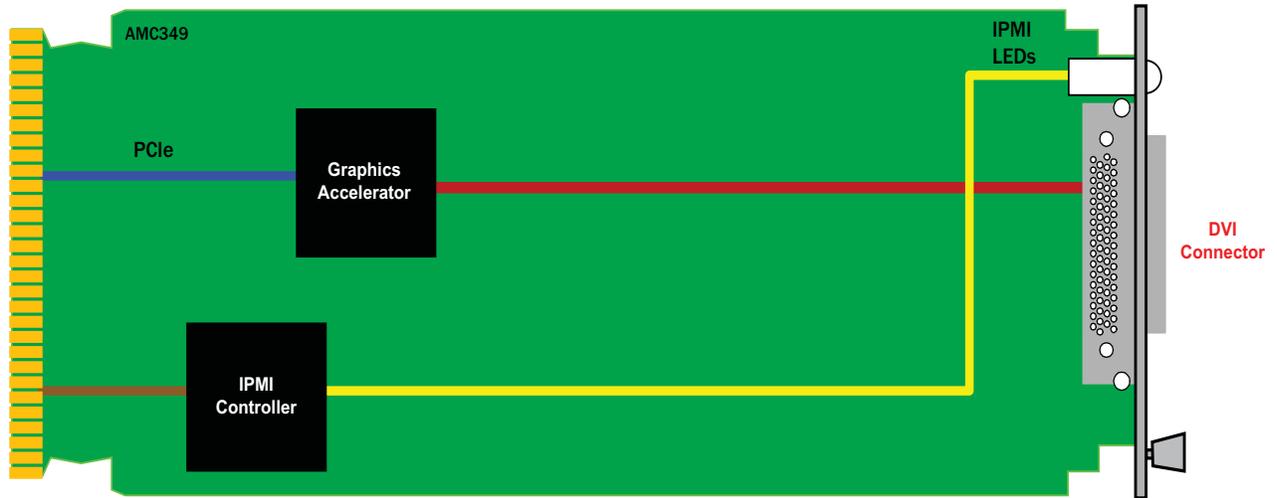


FIGURE 1. AMC349 Functional Block Diagram

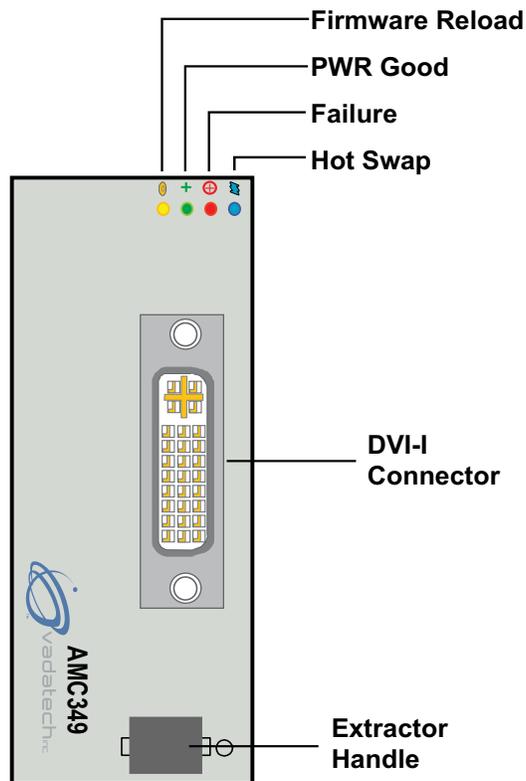


FIGURE 2. AMC349 Front Panel

ORDERING OPTIONS

AMC349 - 00C - 000- 0HJ

C = Front Panel Height

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

H = Operating Temp

- 0 = Commercial (0° to +65°)
- 1 = Industrial (-20° to +70°)
- 2 = Military (-40° to +80°)

J = Conformal Coating

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

