

## AMC Dual Channel DVI/VGA Graphics, Economic – AMC348

AMC Dual Channel DVI/VGA



### KEY FEATURES

- Based on Silicon Motion's SM750 graphics processor chipset
- Provides two separate Dual DVI Channels
- AMC.1 compliant
- PCIe x1 lane
- Single module, mid-size or full-size (see ordering options)
- 16MB of Memory
- Displays 1920x1080 @ 60 Hz
- Optional "Y" adapter cable to convert the DMS-59 connector to DVI-I or VGA connectors
- IPMI 2.0 compliant
- RoHS compliant

**AdvancedMC™**

### Benefits of Choosing VadaTech

- Low cost graphics processor
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- AS9100 and ISO9001 certified company

The AMC348 is a VadaTech low cost AMC graphic module. Designed to meet the graphics needs of Military, Industrial and Telecom applications that requires a simple graphic interface.

The board features Silicon Motion's SM750 graphics processor chipset. The display mode supports screen resolutions up to 1920x1080 @ 60 Hz for dual mode monitor.

The AMC348 is AMC.1 compliant and is available in a single module, mid or full-size form factor. The front panel has an LHF style connector (DMS-59).

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## INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and  $\mu$ 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.

## BLOCK DIAGRAM

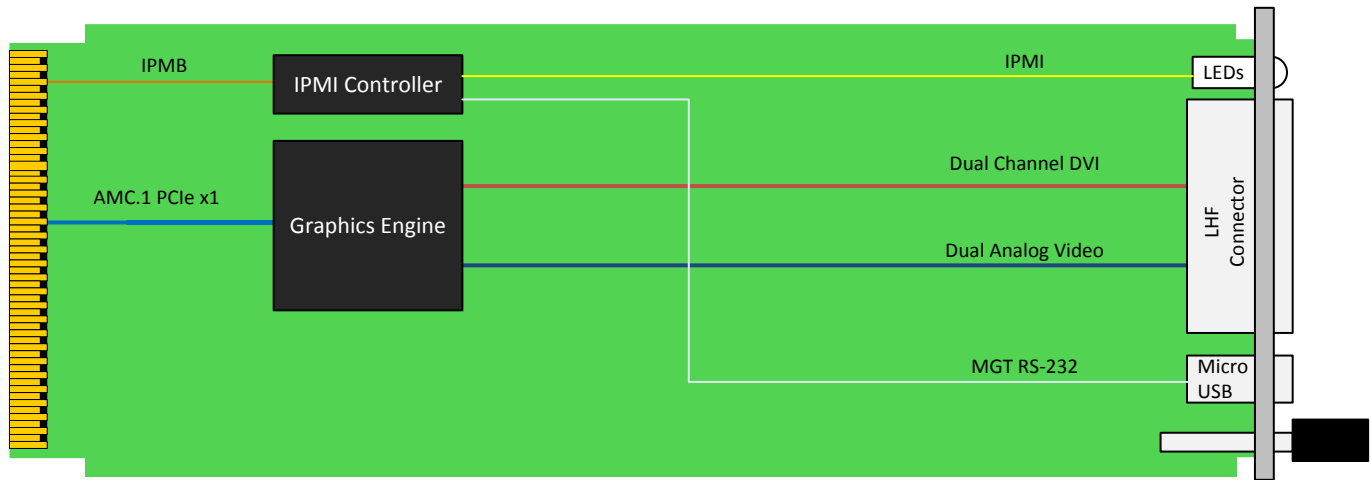


Figure 1: AMC348 Block Diagram

## FRONT PANEL

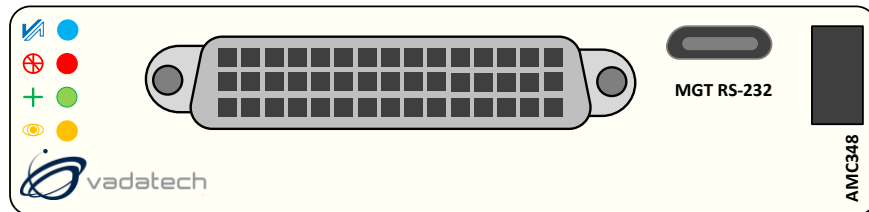


Figure 2: AMC348 Front Panel

## SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 2.89" (73.5 mm)
		Depth 7.11" (180.6 mm)
Type	AMC Video	DVI or VGA Video Adapter
	Dual Ports	Dual ports using "Y" Adapter Cable, either DVI or VGA (see ordering options)
	Video Resolution	Screen resolutions up to 1920x1080
	Memory	16 MB of memory
Standards		
AMC	Type	AMC.1
Module Management	IPMI	IPMI version 2.0
PCIe	Lanes	x1
Configuration		
Power	AMC348	3W
Environmental	Temperature	Operating Temperature: -5° to 45°C (55°C for limited time, performance restrictions may apply), industrial and military versions also available. (See <a href="#">environmental spec sheet</a> )
		Storage Temperature: -40° to +85°C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	Low Force Helix (LFH) connector
	Adapter	LFH to two DVI-I or LFH to two standard HD15 connectors (see notes)
	LEDs	IPMI Management Control
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux and Windows
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	
Warranty	Two (2) years	
Trademarks and Disclaimer	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedTCA™ and the AdvancedMC™ 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"> <li>1. LFH to two DVI-I connectors "Y" adapter cable for digital displays can be ordered separately.</li> <li>2. LFH to two standard HD15 connectors "Y" adapter cable for use with analog displays can be ordered separately.</li> </ol>	

## ORDERING OPTIONS

### AMC348 – A0C – 000 – 0HJ

#### A = Adapter Cable

- 0 = None
- 1 = LFH to two DVI-I (“Y” cable)
- 2 = LFH to two VGA (“Y” cable)

#### C = Front Panel Size

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

#### H = Temperature Range

- 0 = Commercial (–5° to +45° C)
- 1 = Industrial (–20° to +70° C)
- 2 = Military (–40° to +85° C)\*

#### J = Conformal Coating

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

\*Edge of module for conduction-cooled boards

## RELATED PRODUCTS



AMC720 Intel Core i  
PrAMC



UTC010 Power Module



UTC002 MCH

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