

AMC715



KEY FEATURES

- Single-width, mid-height (option for full-height) per AMC.0
- Processor AMC with PPC8315 @ 400Mhz
- PCIe x1 lane on port 4 and PCIe x1 lane on port 8, AMC.1
- PCIe is configurable as Host (Root Complex) or Agent
- 512MBytes of DDR-II memory
- Dual GbE front access or rear per AMC.2 specification
- SATA routed to the rear per the AMC.3
- 2.5" SATA drive on board
- IPMI 2.0 compliant
- RoHS compliant

The AMC715 is a Processor AMC (PrAMC) with an on board 2.5" SATA hard disk drive in a single-width, mid-height AdvancedMC™ (AMC) form factor based on the AMC.1, AMC.2 and the AMC.3 specification. The module is ideal to be used for data flow management within a chassis. The AMC715 provides a low cost solution with high capacity disk integrated. With a storage capacity of over 320 Gbytes and data transfer rates of 150Mbyte/s the AMC715 is the ideal AdvancedMC™ smart storage. The PCIe interface is configurable as Host or Agent mode. The module has 512MBytes of DDR-II memory on board.

The module provides Dual GbE to the front or the rear per AMC.2 specification. Further the module routes a SATA port to port 2 of the AMC for additional storage per the AMC.3 specification.

Also available in Solid State Flash Disk configurations.

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

AdvancedMC™

Processor AMC with 2.5" SATA Drive

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width, Mid-Height (Full-Height options)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Product Type	AMC Processor	PPC8315 @ 400 Mhz with 2.5" Serial ATA Drive
		Optional Solid State Disk Drive (Contact Sales for capacity and availability)
		5400 RPM (with an option for 7200 RPM drive), <12ms average seek time
		Up to 320 Gbyte hard drive capacity, 16 Mbyte buffer
		150 Mbyte/s transfer rate
Standards		
AMC	Type	AMC.1, AMC.2 or AMC.3
Module Management	IPMI	IPMI Version 2.0
PCIe	Lanes	x1 on port 4 and x1 on port 8
Configuration		
Power	AMC715	7W
Environmental	Temperature	Operating Temperature: 0° to 60° C (Air flow requirement is to be greater than 200 LFM)
		Storage Temperature: -40° to +70° C with the Disk
	Vibration	Operating 9.8 m/s ² (1.0G), 5-500Hz
	Shock	Operating 325G/2ms, 160G/1ms
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	LEDs	IPMI Management Control
		Activity
	Mechanical	Hot Swap Ejector Handle
Software Support	Operating Systems	Linux
Other		
MTBF	Per MIL-217F > TBD MTTF Hrs. not including the disk	
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.	
Note	The AMC715 is available with Solid State disk drive. Contact Sales for more information.	

Processor AMC with 2.5" SATA Drive

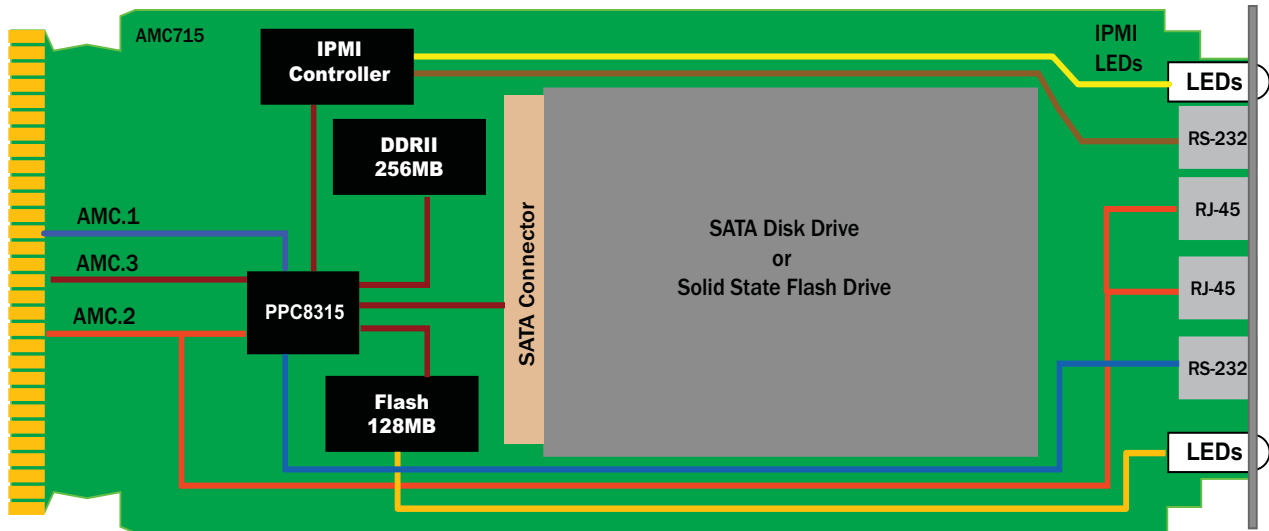
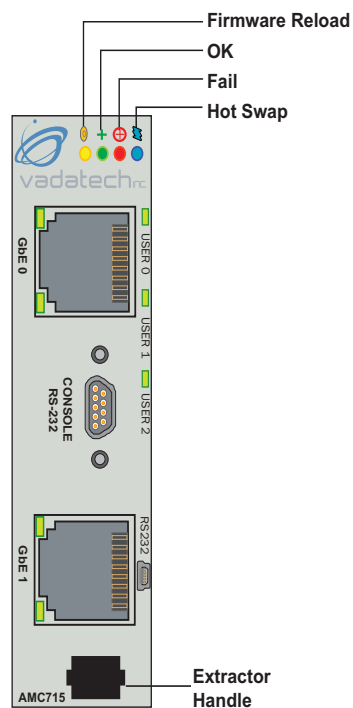


FIGURE 1. AMC715 Functional Block Diagram

FIGURE 2. AMC715 Front Panel



ORDERING OPTIONS

AMC715 - ABC - D00 - 00J

A = SATA Drive Capacity

- 0 = None
- 1 = Reserved
- 2 = Reserved
- 3 = Reserved
- 4 = 200 Gbytes
- 5 = 320 Gbytes
- 6 = 500Gbytes
- 7 = 1TBbytes
- 8 = Reserved

B = Solid State Disk

- 0 = None
 - 1 = 32 Gbytes
 - 2 = 80 Gbytes
 - 3 = Reserved
 - 4 = Reserved
 - 5 = Reserved
- (Contact sales for other size availability)

C = Front Panel Height

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

*Available for the SSD option only

D = Temp

- 1 = Extended
Temperature Range*
(-20° C to +80° C)
- 2 = Standard
Temperature Range
(0° C to +60° C)

J = Conformal Coating

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

