

AMC015

Third Generation IPMI MMC Controller, MicroTCA module

AMC015

Key Features

- Based on ARM 32-bit Cortex-M4 CPU (120MHz)
- Meet all requirements per PICMG standard
- Evaluation board for the MMC in AMC Form Factor
- Available tools for creating the FRU/SDR/Detailed HW description
- Minimized hardware, footprint size, and power utilization.

Benefits

- Expertise of VadaTech IPMI controllers
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

AdvancedMC™



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AMC015

The AMC015 is the third generation IPMI controller that meet all of the requirements for an AMC MMC and ATCA Carrier Manager as laid out in the industry standards from PICMG keeping with the long history of VadaTech's Gen1/Gen2 IPMI controllers.

The AMC015 is suitable for prototyping and evaluation of VadaTech IPMI MMC with VadaTech or third party MicroTCA compliant products.

Tool

VadaTech's AMC015 is available with binary tools easily installable on third party Linux or Windows for creating the FRU/SDR/Detailed HW description flash images and upgrading the board with them without need to compile software.

Figure 1: AMC015

Specifications

Architecture	
Physical	Dimensions Width: 2.89" (73.5 mm) Depth 7.11" (180.6 mm)
Type	AMC IPMI MMC Controller
Standards	
Module Management	IPMI IPMI v2.0 and PICMG 3.0
Configuration	
Power	AMC015 Error! Reference source not found. 2W
Environmental	Temperature See Ordering Options Storage Temperature: -40° to +90°C
	Vibration Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis
	Shock Operating 30G each axis
	Relative Humidity 5 to 95% non-condensing
Others	OS Tool Linux / 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

AMC015– 00C-000-00J

C = Front Panel Size	J = Temperature Range and Coating*
1 = Reserved 2 = Mid-size 3 = Full-size 4 = Reserved 5 = Reserved 6 = Mid-size, MTCA.1/.4 7 = Full-size, MTCA.1/.4 8 = Reserved	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 *

Notes:

*Edge of module for conduction cooled boards, consult factory for availability

Related Products

VPX015

- Third Generation IPMI MMC Controller, VPX module
- Meet all requirements per VITA 46.11 standard
- Available tools for creating the FRU/SDR/Detailed HW description

ATC015

- Third Generation IPMI MMC Controller, AdvancedTCA module
- Meet all requirements per PICMG standard
- Available tools for creating the FRU/SDR/Detailed HW description

VT866

- MTCA System Platform 19" x 5U x 10.5" deep (with handles 12" deep)
- Full redundancy with dual MicroTCA Carrier Hub (MCH), dual Cooling Units and dual Power Modules
- Up to 12 AMCs in single width/full-size

Contact

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