

ATC015

Third Generation IPMI MMC Controller For AdvancedTCA

ATC015



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Key Features

- Based on ARM 32-bit Cortex-M33 CPU (160MHz)
- On board 4MB of Flash with 2.5MB of integrated SRAM
- CPU Package size 13x13mm BGA
- Meets all requirements per PICMG standard
- Evaluation board for the MMC in AdvancedTCA (ATCA) form factor
- Available tools for creating the FRU/SDR/Detailed HW description
- Controller can manage an RTM (Rear Transition Module) per ATCA specification as well as 8 AMC
- Controller uses less than ~0.3W when operating
- 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™



ATC015

The ATC015 is an evaluation board for VadaTech third generation IPMI controller. It meets all of the requirements for an 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 controller can manage a Rear Transition Module (RTM) based on the ATCA specification as well as 8 AMC modules.

The ATC015 is suitable for prototyping and evaluation of VadaTech IPMI MMC with VadaTech or third party ATCA compliant products. The ATC015 can simulate the payload, the RTM and the AMC modules.

The ATC015 has an integrated 4MB of Flash with 2.5MB of integrated SRAM. The Microcontroller can operate from -40°C to +85°C. **Controller uses less than ~0.3W of power when operating.**

Tool

VadaTech's ATC015 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: ATC015

Specifications

Architecture	
Physical	Dimensions Width: 12.687" (322.25 mm) Depth: 11.024" (280 mm)
Type	ATCA IPMI MMC Controller
Standards	
Module Management	IPMI IPMI v2.0 and PICMG 3.0
Configuration	
Power	ATC015 4W
Environmental	Temperature Operating Temperature: -40° to +85°C 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
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

ATC015- 000-000-000

Related Products

VPX015

- Third Generation IPMI MMC Controller, VPX module
- Meet all requirements per VITA 46.11 standard with support for RTM, dual FMC and dual XMC
- Available tools for creating the FRU/SDR/Detailed HW description

AMC015

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

VT820

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