

ATC113 – ATCA Carrier for PMC/XMC/PrMC

ATCA PMC, XMC, PrMC Carrier

Photo Coming Soon

Advanced TCA[®]

KEY FEATURES

- Three PMC/XMC Site
 - Dedicated PCI-X @ 133 MHz per Module
 - Gen3 PCIe x4 lanes per XMC
 - J4 I/O connector signals routed to the front
- Intel Xeon E3-1268L V3 Processor with 32 GB DDR3 w/ ECC
- DP, GbE, RS-232, USB 3.0 to the front panel
- On board mSATA socket
- PCIe/SATA/RS-232 to the Zone 3, for expansion
- Dual 10 GbE to the Fabric Channels
- Dual GbE to the Base Channels
- TPM (optional)

Benefits of Choosing VadaTech

- Quad-core Xeon on-board host saves cost and space
- Flexible and legacy I/O support via XMC slots
- Robust, field-proven IPMI infrastructure
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

The ATC113 provides a versatile and compact solution for integrating standard and legacy I/O into AdvancedTCA systems, by providing three XMC/PMC sites. The user I/O pins (J4) of those sites are brought to the front panel for greater flexibility.

The card also has an on-board host, a quad-core Xeon E3 processor with 32 GB of memory and front-panel DisplayPort and USB, saving space and cost over a two-card solution. PCIe/SATA/USB 3.0 are routed to the Zone 3 connector for further expansion of the I/O via the RTM (Rear Transition Modules), adding to the flexibility of the unit.

BLOCK DIAGRAM

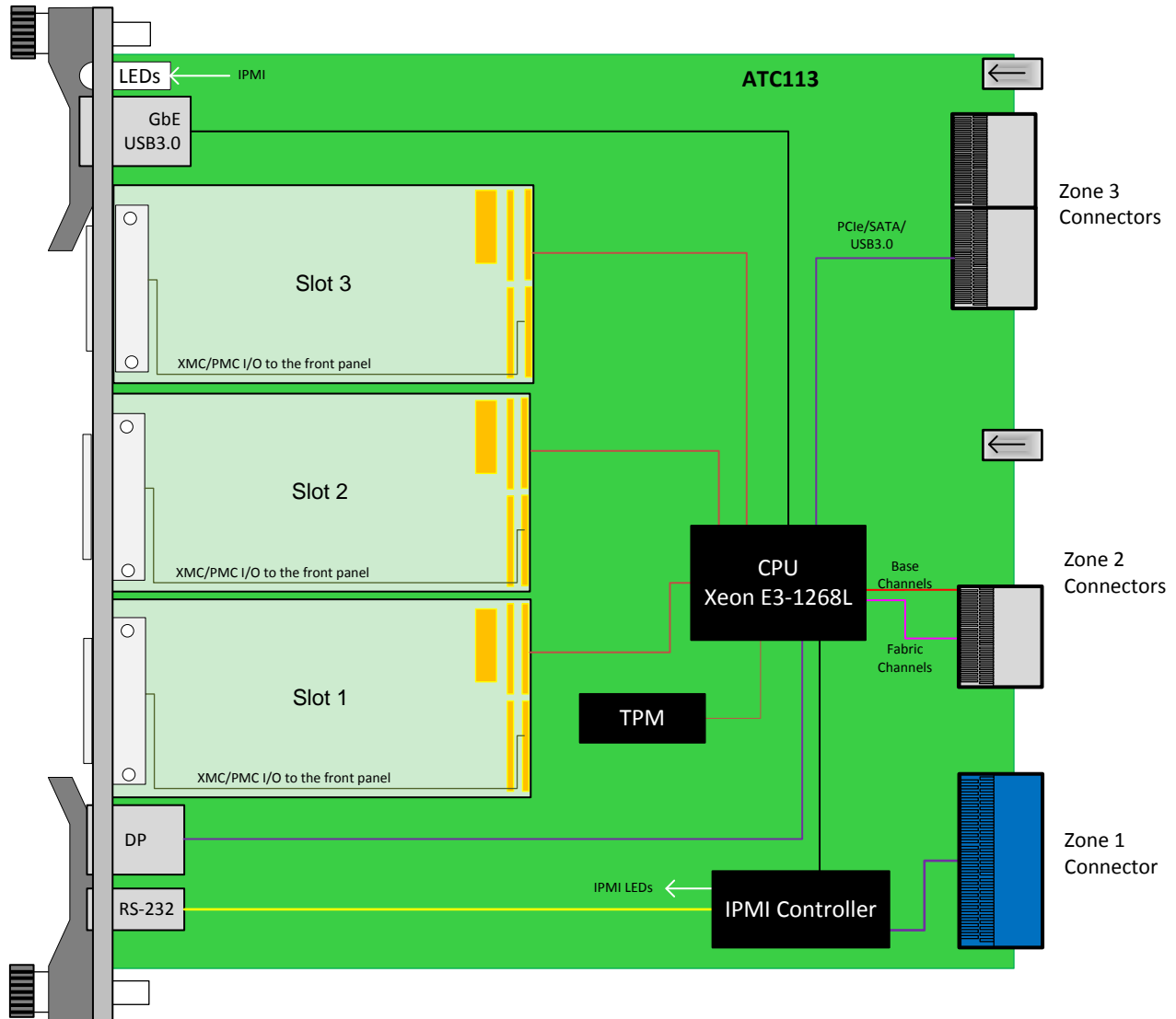


Figure 1: ATC113 Functional Block Diagram

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.687" (322.25 mm)
		Depth: 11.024" (280 mm)
Type	ATCA Carrier	PMC and XMC Modules
Standards		
PMC	Type	PCI-X @ 133 MHz per PMC slot
XMC	VITA 42.3	XMC.3
Module Management	IPMI	IPMI version 2.0
PICMG	ATCA	PICMG 3.0 R2.0
Configuration		
Power	ATC113	100 W without PMC/XMC modules
		Additional 200 W are available for the PCM/XMC modules
Environmental	Temperature	Operating Temperature: -5° to 65°C (Air flow requirements is to be greater than 200 LFM) Available in industrial temperature range
		Storage Temperature: -40° to +90°C
	Vibration	1 G RMS, 5 to 500 Hz on each axis
	Shock	30 Gs on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	Front panel	Three high-density connectors for the PMC J4 user I/Os DP, RJ-45, USB 3.0, Micro USB for RS-232
	LEDs	IPMI Payload indication
	Mechanical	Hot swap ejector handle
Rear I/O	Zone 2	Base and fabric channels
	Zone 3	PCIe/SATA/USB3.0
Software Support	Operating System	Linux/Windows
Conformal Coating	Humiseal 1A33 Polyurethane (Optional)	
	Humiseal 1B31 Acrylic (Optional)	
Other		
MTBF	MIL Handbook 217-F@ TBD	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Compliance	PICMG 3.0 Rev 3.0, RoHS 2, NEBS	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years	

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μ 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

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ORDERING OPTIONS

ATC113 – A00 – 000 – 00J

A = XMC Voltage (VPWR)*

0 = +12 V

1 = Reserved

J = Conformal Coating

0 = None

1 = Humiseal 1A33 Polyurethane

2 = Humiseal 1B31 Acrylic

* Per VITA specification the XMC VPWR can be powered from +5V or +12V. Please consult the XMC module that will be used.

RELATED PRODUCTS



**VT830 6U ATCA SlotSaver
Chassis**



**ATC806 40G/10G Switch
w/Dual AMCs**



**ART132 ATCA
RTM**

CONTACT US

VadaTech Corporate Office

198 N. Gibson Rd.
Henderson, NV 89014
Email: info@vadatech.com
Telephone: (702) 896-3337
Fax: (702) 896-0332

Asia Pacific Sales Office

7th Floor, No. 2, Wenhua Street, Neihu District, Taipei
City, Taiwan 11445
Email: info@vadatech.com
Telephone: +886-2-2627-7655
Fax: +886-2-2627-7792

VadaTech European Sales Office

Ocean Village Innovation Centre, Ocean Way,
Ocean Village, Southampton, SO14 3JZ
Email: info@vadatech.com
Telephone: +44 2380 381982
Fax: +44 2380 381983