ATCA 10GbE Cut-Away Carrier with Quad AMC Slots – ATC134

ATCA Carrier, 4 Full-Size AMCs

KEY FEATURES

- ATCA cut-away carrier with four full-size AMC slots
- Accepts AMCs complaint to AMC.2 specification
- 10GbE Managed Layer 2 switch
- Each AMC slot receives two 10GbE and two GbE
- Connectivity to two base channels and eight fabric channels
- Four 10GbE routed to the RTM
- IPMI v2.0 compliant
- RoHS compliant

Advanced TCA®

Benefits of Choosing VadaTech

- Managed Layer 2 switch performance with the versatility of 4 AMC full-size slots
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The ATC134 is VadaTech second generation AdvancedTCA AMC carrier that provides four full-size AMC slots.
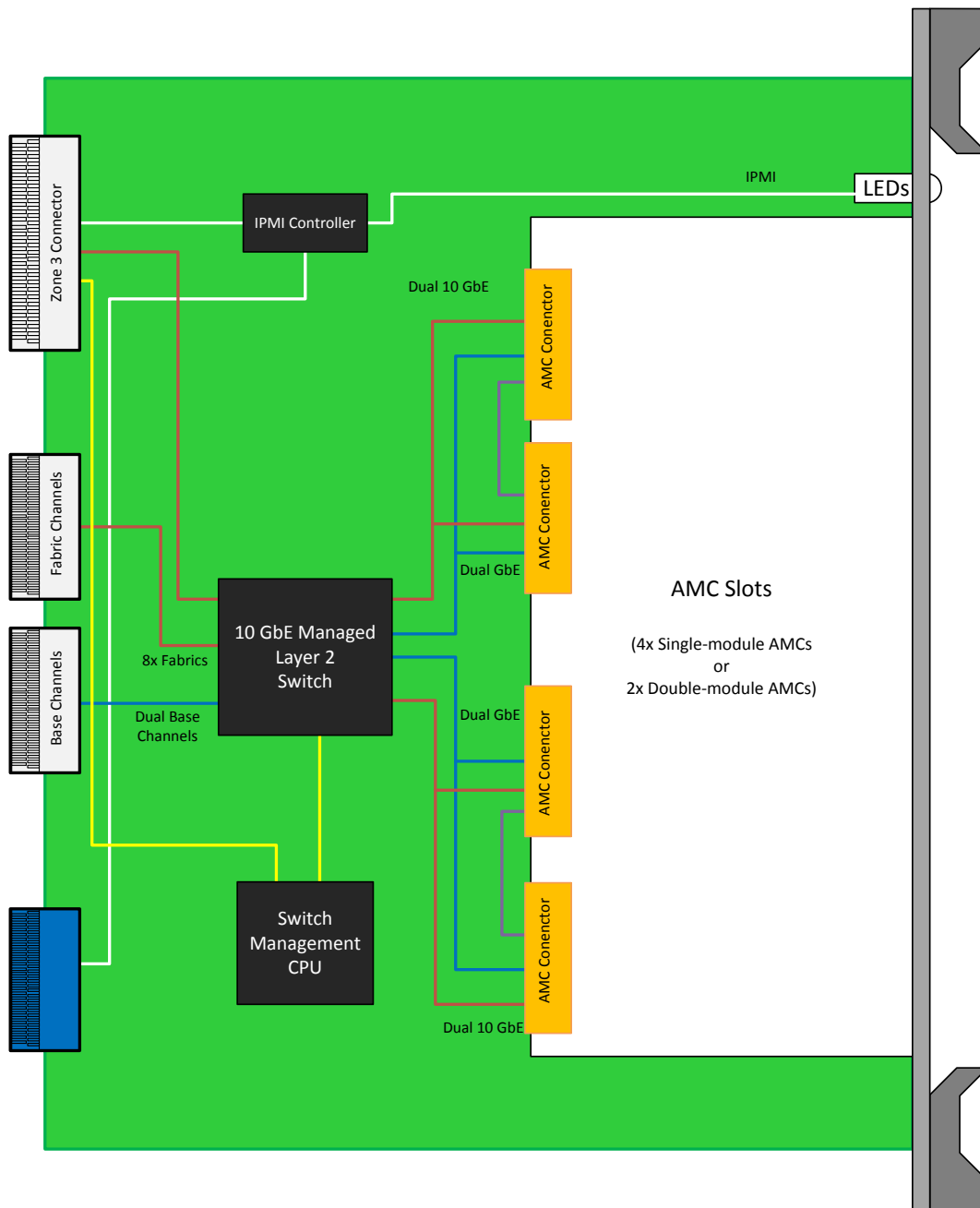
Each of the AMC module ports 4-7 and 8-11 are connected to the Layer 2 managed 10GbE switch. Ports 0 and 1 are connected to the 10GbE switch by GbE. The ATC134 provides up to 250W to the four AMC Modules.

The ATC134 has two base channels and eight fabric channels. Further the ATC134 has four 10GbE ports routed to the RTM.

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of ATCA and μTCA 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

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 12.687" (322.25 mm)
		Depth: 11.024" (280 mm)
Type	ATCA Switch/Carrier	Four full-size AMC slots
10GbE	AMC Lanes	4-11 (dual 10GbE)
GbE	AMC Lanes	0-1 (dual GbE)
Standards		
AMC	Type	AMC.2 (AMC.3 between Slot B4 and B3, B2 and B1)
Module Management	IPMI	IPMI version 2.0 and PICMG 3.0
PICMG	ATCA	PICMG 3.0 R2.0
Configuration		
Power	ATC134	50 W with no AMCs
Environmental	Temperature	Operating Temperature: -5° to 55°C (Air flow requirements is to be greater than 200 LFM) Available in industrial temperature range
		Storage Temperature: –40° to +60°C
	Vibration	0.5 G RMS,20 to 20000 Hz random (operating) 6 Gs RMS (non-operating)
	Shock	30 Gs on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Software Support	Operating System	Linux
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)
Other		
MTFB	MIL Handbook 217-F@TBD Hrs	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Compliance	PICMG 3.0 Rev 3.0, RoHS 2.	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years	
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ORDERING OPTIONS

ATC134 – 000 – 000 – 0HJ

H = Temperature Range
0 = Commercial
1 = Industrial

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

RELATED PRODUCTS

VT830 6U ATCA SlotSaver Chassis

ATC806 40G/10G Switch w/Dual AMCs

ART132 ATCA RTM

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