AMC312

5 Port USB 1.1 to Fiber Media Converter

AMC312

Key Features

- 5 Channel USB 1.1 Copper to Fiber Converter
- I/O connectivity for Copper is via DP style connector
- I/O connectivity for Fiber is via MTP/MPO style cable
- AMC.0 specification
- IPMI 2.0 compliant
- RoHS compliant

Benefits

- Extends USB connection beyond 5m limit
- Uses standard fiber type for ease of deployment
- Design utilizes proven VadaTech subcomponents and engineering techniques
- 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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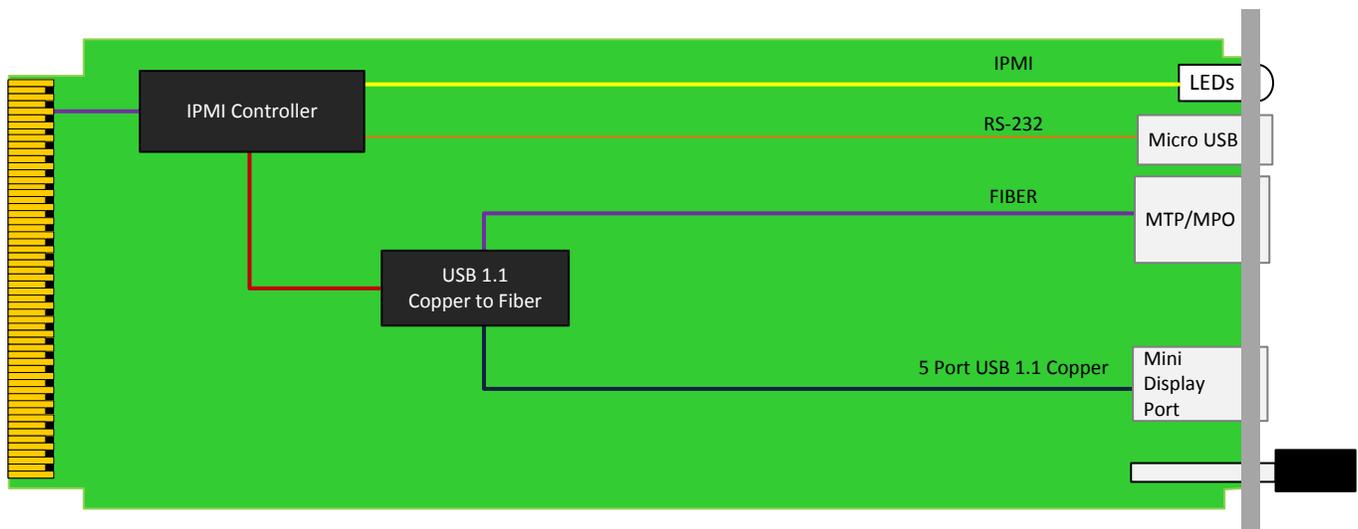THE POWER OF VISION

AMC312

The AMC312 is a single module, mid-size (full-size option available) AdvancedMC (AMC) five USB 1.1 Copper to Fiber converter.

The module extends the USB 1.1 length beyond the 5 meter which is specified by the specification. The module allows a seamless connection between the root complex and the end point device.

The module does not take any power from the host USB ports.

Block Diagram

Specifications

Architecture			
Physical	**Dimensions**	Single module, mid-size (full-size optional)	
		Width: 2.89" (73.5 mm)	
		Depth 7.11" (180.6 mm)	
Type	**AMC Serial USB 1.1**	5 ports copper to fiber converter	

Standards		
AMC	**Type**	AMC.0
Module Management	**IPMI**	IPMI version 2.0
USB		5 ports USB 1.1

Configuration		
Power	**AMC312**	10 W
Environmental	**Temperature**	Operating temperature: -5° to 45° C (55°C for limited time, performance restrictions may apply), industrial and extended versions also available (See environmental spec sheet)
		Storage Temperature: –40° to +85°C
	Vibration	Operating 9.8 m/s^2 (1G), 5 to 500Hz on each axis
	Shock	Operating 30G on each axis
	Relative Humidity	5 to 95 per cent, non-condensing
Front Panel	**Interface Connectors**	Mini Display Port for copper
		MTP/MPO connector for fiber
		Micro USB for IPMI RS-232
	LEDs	IPMI management control
		Status
	Mechanical	Hot swap ejector handle
Software Support	**Operating System**	Independent
Conformal Coating		Humiseal 1A33 Polyurethane (Optional)
		Humiseal 1B31 Acrylic (Optional)

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 ISO9001:2000 and AS9100B:2004 standards
Warranty	Two (2) years

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.

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Ordering Options

AMC312 – 00C-000-00J

C = Front Panel		**J = Temperature Range and Coating**
1 = Reserved		0 = Commercial, No coating
2 = Mid-size		1 = Commercial, Humiseal 1A33 polyurethane
3 = Full-size		2 = Commercial, Humiseal 1B31 acrylic
		3 = Industrial, No coating
		4 = Industrial, Humiseal 1A33 polyurethane
		5 = Industrial, Humiseal 1B31 acrylic
		6 = Extended, Humiseal 1A33 polyurethane
		7 = Extended, Humiseal 1B31 acrylic

Related Products

UTC004

- Single module, full size per AMC.0
- Unified 1GHz quad-core CPU for MCMC (MicroTCA Carrier Management Controller), Shelf Manager, Clocking, and Fabric management
- Automatic fail-over with redundant UTC004s

VT081

- Supports USB 1.1 over fiber
- Fits into any assembly
- Four USB copper ports

VT866

- µTCA 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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