

AMC313

4 Port USB 3.0 Adapter AMC



AMC313

Key Features

- 4 USB ports (SS/HS/FS/LS)
- USB type C Connectors
- xHCI-compliant Host Controller for High-Speed and SuperSpeed operation (USB 3.0)

Benefits

- 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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AMC313

The AMC313 is a single module, mid-size (full-size option available) Advanced Mezzanine Card (AMC) USB 3.0 Adapter based on the AMC.1 specification. The module provides four USB 3.0 ports to the front panel via type-C connectors.



Figure 1: AMC313 Front View

Block Diagram

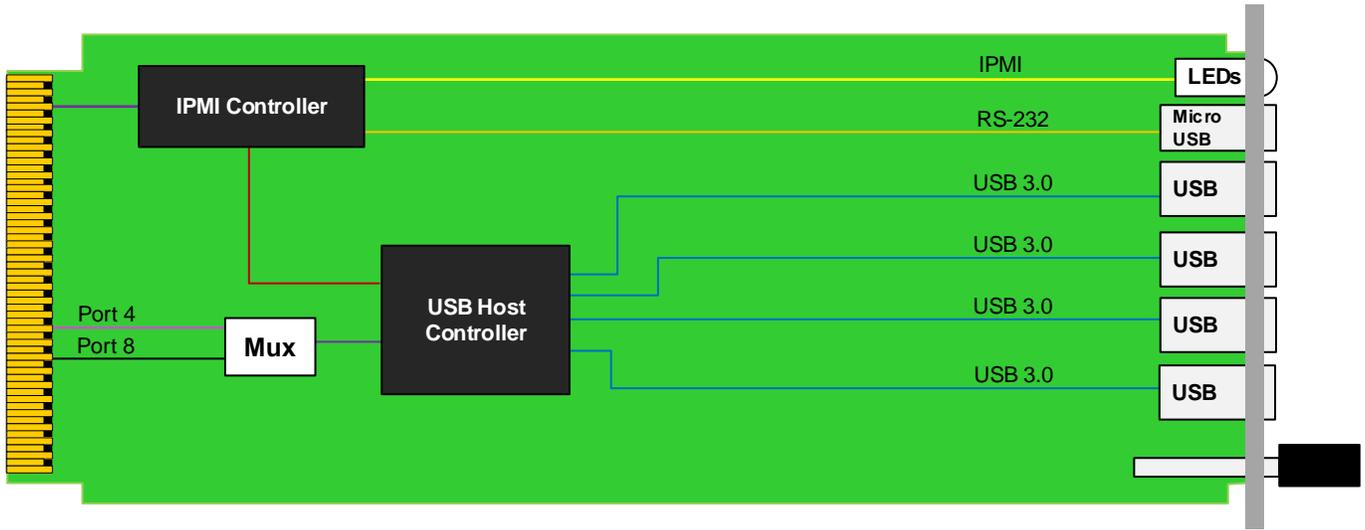


Figure 2: AMC313 Functional Block Diagram

Front Panel

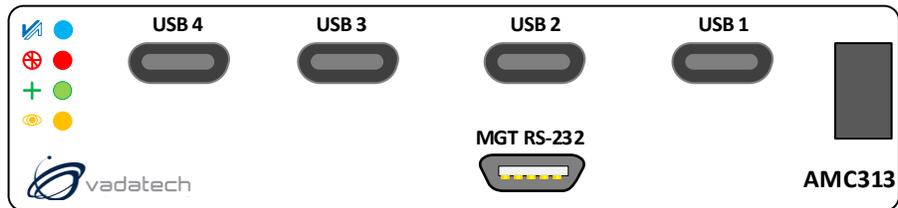


Figure 3: AMC313 Front Panel

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	4 ports USB 3.0 Adapter
Standards		
AMC	Type	AMC.0
Module Management	IPMI	IPMI v2.0
USB		4 ports USB 3.0
Configuration		
Power	AMC313	3 W (without the USB device power draw)
Environmental	Temperature	See ordering options and environmental spec sheet Storage Temperature: -40° to +85°C
	Vibration	Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis
	Shock	Operating 30 G on each axis
	Relative Humidity	5 to 95% non-condensing
Front Panel	Interface Connectors	4x USB type C connector 1x Micro USB for IPMI RS-232
	LEDs	IPMI management control
	Mechanical	Hot swap ejector handle
Software Support	Operating System	Independent
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 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

AMC313 – 00C-000-00J

C = Front Panel	J = Temperature Range and Coating
1 = Reserved 2 = Mid-size 3 = Full-size 4 = Reserved 5 = Mid-size, MTCA.4 (captive screws) 6 = Full-size MTCA.4 (captive screws)	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, 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: *Conduction cooled, temperature is at edge of module. Consult factory for availability.

Related Products

UTC004



- Single module, full size per AMC.0
- Unified 1 GHz quad-core CPU for MicroTCA Carrier Management Controller (MCMC), 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



- 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

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