

KEY FEATURES

- JTAG Switch Module (JSM) per μTCA specification
- Provides Transparent Communications between the Arbitrated Master and a selected Secondary Port
- Mates directory to the Chassis that have the JSM connector
- Support for 12 AMC, 2 MCH, 4 Power Module, 2 Cooling units and Front/Rear (21 Ports)
- Operations via Front/Back, or the two MCH
- Autodetection of Port Presence
- Three Arbitrated Master ports
- Configuration Mode Uses IEEE 1149.1 TAP controller
- Operation up to 50MHz
- LED for Activity, Master Grant, Secondary port selection

The UTC007 power comes from the management (+3.3V) or the payload (+12V) depending on the chassis configuration. The UTC007 consumes less than 55mW. The front connector is standard 0.1 header which mates to most JTAG modules.

There are three Arbitrated Master ports (2 MCH and the front/rear connector). The secondary ports are auto detected if they are present. The module provides transparent communication between the Master and a selected secondary port. All configuration modes use IEEE1149.1 TAP controller. The JTAG can operate with up to 50MHz clock.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

AdvancedMC™

μTCA JTAG Switch Module (JSM)

SPECIFICATIONS

Architecture		
Physical	Dimensions	Single-Width
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	μTCA JSM	21 ports
Standards		
μTCA	Type	JSM
Configuration		
Power	μTCA	55mW
Environmental	Temperature	Operating Temperature: 0° to 65° C
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	Interface Connectors	10 Pin right angle 0.1 spacing
	LEDs	Activity, Master port, and secondary port selection
	Mechanical	Captive Screw tie down
Software Support	Operating Systems	Linux, Windows, Solaris and VxWorks
Other		
MTBF	MIL Spec 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	
Compliance	RoHS and NEBS	
Warranty	Two (2) years.	
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FIGURE 1. UTC-007 Functional Block Diagram

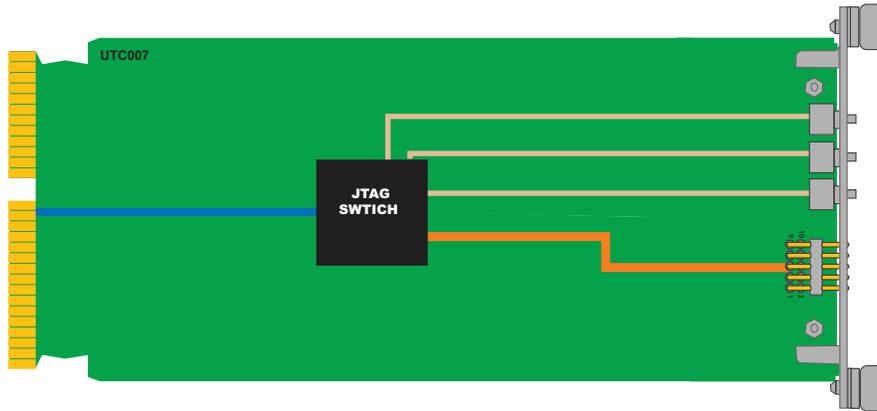
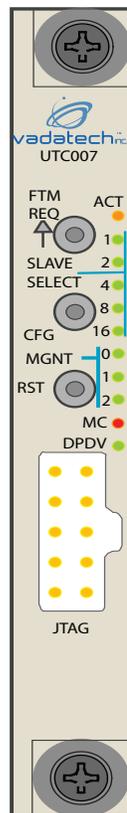


FIGURE 2. UTC007 Front Panel



ORDERING OPTIONS

UTC007 - A00 - 000 - 00J

A = Power

- 0 = From Management
- 1 = From Payload

J = Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic



Document No _____ Date: July 26 2008

