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Find the *Aitech Defense Systems TM162* at our website: *Click HERE*

TM162

Transition Module for C162/C163 VME SBCs



- **Transition Module for use with Aitech's C162/C163 6U Core™ i7 VME SBCs**
- **Standard Connections for C162/C163 Onboard I/O Interfaces**
- **Access to All C162/C163 XMC/PMC I/O Pins via High Speed Connectors**
- **Single and Double-Slot Versions**
- **No Active Components**
- **Rear Plug-in Unit**
- **80 mm Rear Module Depth, Fully Compliant with IEEE 1101.11**

Aitech Defense Systems, Inc.
A member of the Aitech Rugged Group
19756 Prairie Street, Chatsworth, CA. 91311
Tel: (888) Aitech-8 (248-3248) Fax: (818) 407-1502 e-mail: sales@rugged.com web: www.rugged.com#

TM162 Transition Module

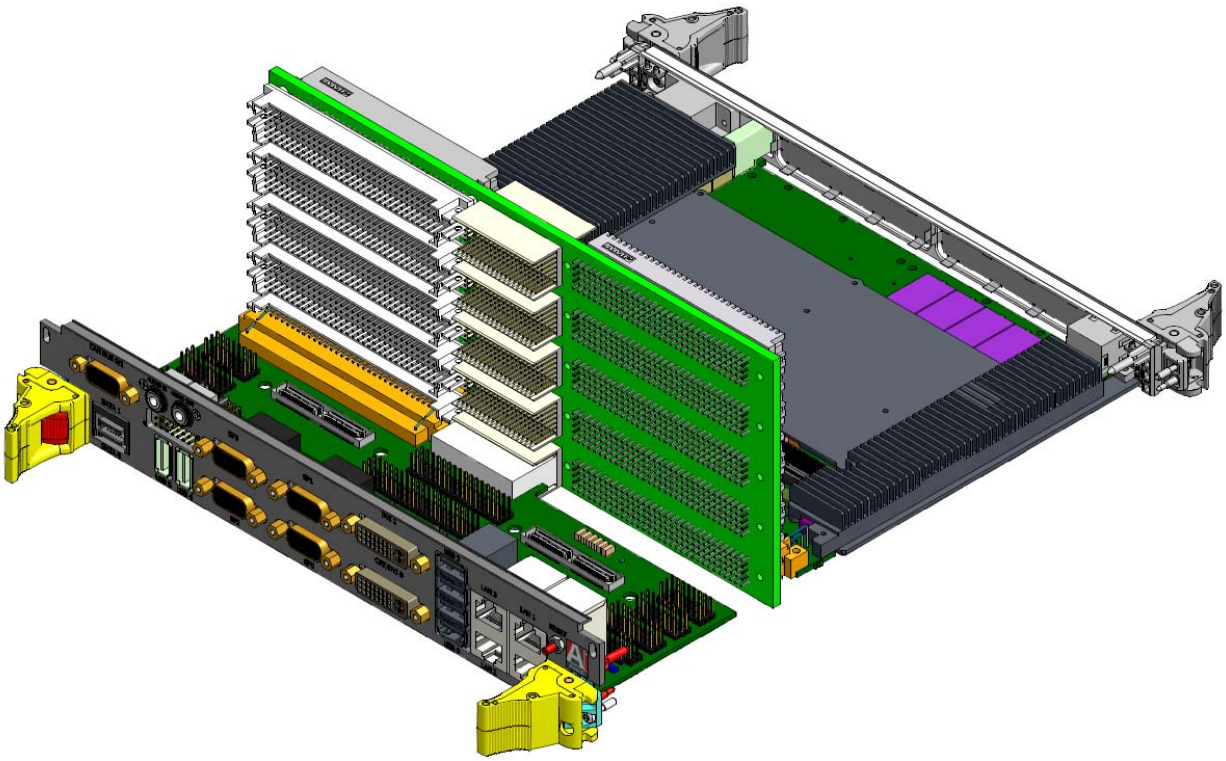
Aitech's TM162 transition module is designed as a supplement to the C162/C163 6U Core™ i7 VME SBCs, and intended for use in commercial air-cooled enclosures. The TM162 eliminates the need for harnessing and complex cabling fixtures when connecting to the various C162/C163 I/O interfaces.

The TM162 is designed for use with enclosures with a rear module depth of 80 mm, and is fully compliant with the IEEE 1101.11 specification. It may be adapted for use with enclosures whose rear module depth is greater than 80 mm by adding an extender (not included).

In addition, the transition module provides two high speed connectors for convenient access to I/O signals for XMC/PMC mounted on the C162/C163 SBCs.

The transition module also provides jumpers to allow I/O routing for the C162/C163 shared I/O pins.

The following figure illustrates the TM162 location in the system.



TM162

Transition Module for C162/C163 VME SBCs

Specifications

I/O Connectors

The transition module provides standard connectors for the C162/C163 I/O interfaces. Refer to the table below for I/O availability and connector types for the single and double-slot versions of the TM162.

XMC/PMC I/O

A high speed connector on the TM162 PCB provides convenient access to all of the I/O pins for XMC/PMCs mounted on the C162/C163

Reset Pushbutton

The transition module has a reset pushbutton on the front panel (only in the two slot version).

Configuration Jumpers

Jumpers enable users to configure TM162 I/O routing to match the various C162/C163 I/O configurations.

Mechanical Features

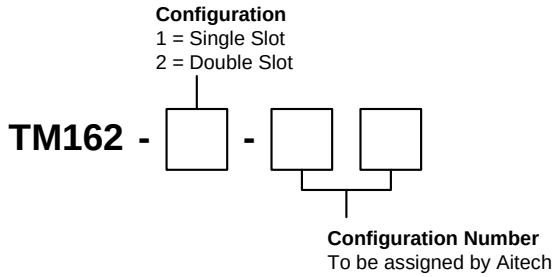
The TM162 fully complies with IEEE Std 1101.11.

Dimensions

- Standard 80 mm mounting depth per IEEE Std 1101.1
- Double-slot Transition Module – per IEEE Std 1101.1 Double slot front panel.

Interface	# of Channels		Connector
	Single-slot	Double-slot	
USB	3	6	USB Type A
SATA	2	2	7-pin SATA
GbE	2	4	RJ-45
Serial	2	4	9-pin D-type F
DVI-I	1	2	DVI-I
Stereo Out	1	1	3.5 mm
Stereo In	0	1	3.5 mm
Discrete I/O	12 (on PCB)	12 (on FP)	Header pins
Reset PB	No	Yes	N/A

Ordering Information



Example: TM162-2-00

For more information about the TM162 or any Aitech product, please contact Aitech Defense Systems sales department at (888) Aitech-8 (248-3248).

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