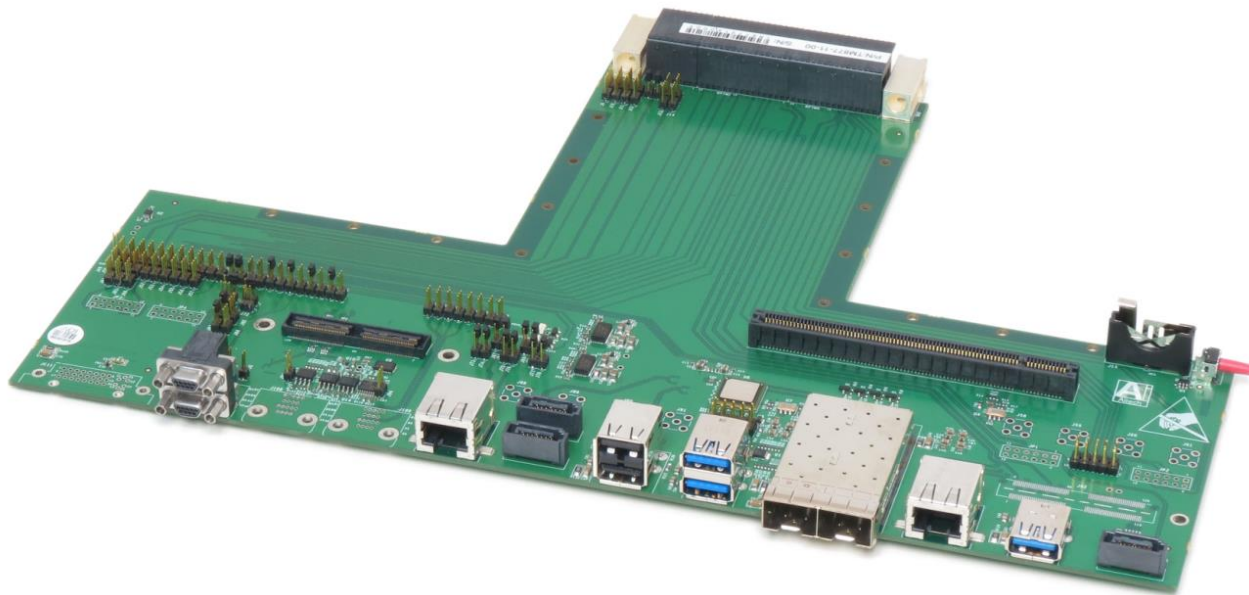


U-TM8770

3U VPX RTM for the U-C8770 SOSA-aligned SBC



PRELIMINARY

- 3U VPX Rear Transition Module (RTM) for installation in standard ANSI/VITA 46.10 slots
- Standard Connectors for U-C8770 I/O Interfaces
- High Speed Connector for U-C8770 XMC I/O
- RTC Backup Battery Receptacle
- Reset Pushbutton
- 80 mm Mounting Depth



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U-TM8770

3U VPX RTM for the U-C8770 SOSA-aligned SBC



Overview

Supported Products	U-C8770 3U VPX SOSA-aligned SBC
I/O Routing	U-TM8770 supports all U-C8770 I/O variants
System Compatibility	Supports both air-cooled and conduction-cooled versions of the U-C8770, when installed in systems that meet the following specifications: <ul style="list-style-type: none">• Chassis accommodates rear plug-in units• ANSI/VITA 46.10 compliant backplane with RJ0, RJ1, and RJ2 connectors on the rear side of the U-C8770 slot• Compatible with U-TM8770 specifications listed in the <i>Mechanical</i> section below

Supported Interfaces

U-C8770 Interface	U-TM8770 Interface
1000Base-T Port	1 x RJ45 Connectors
1000Base-BX/KX / 10GBase-KR	2 x SFP Connectors (cage only, SFP modules not included)
SATA Ports	1 x SATA 3.0/2.0 Plug Connectors
USB Ports	2 x USB Type A Connectors (1 x USB 3.0, 1 x USB 2.0)
Serial Ports	2 x 9-Pin Micro D Connectors
GPIO	I/O Header Connector
VPX SYSRESET# Signal	Reset Push Button
VPX P1_VBAT Signal	Coin Cell Battery Receptacle
IPMI I ² C Buses	I/O Header Connector
Tamper Detect Input	I/O Header Connector
XMC I/O	120-Pin High Speed Connector
PCIe	PCIe X8 Slot (connected to U-C8770 Data Plane and Expansion Plane interfaces, can be used only on backplanes with Data Plane signals routed to RTM backplane connectors, for example: single-slot backplane)
40GBase-KR4 / 4x10GBase-KR	QSFP+ Connector (cage only, QSFP+ module not included; connected to U-C8770 Ethernet Data Plane interface, can be used only on backplanes with Data Plane signals routed to RTM backplane connectors, for example: single-slot backplane)

Mechanical

- 3U VPX form factor
 - 80 mm mounting depth
 - Can be used in enclosures with mounting depth > 80 mm using an extender (not included)
 - Supports installation in standard ANSI/VITA 46.10 RTM slots
 - U-TM8770 PCB extends beyond the standard RTM front panel location, with an expanded width in the area that extends outside of the enclosure, allowing the U-TM8770 to be installed in a standard RTM slot while also providing additional room for I/O connectors
- Contact your Aitech representative if more information on dimensions or mechanical compatibility is needed

Power

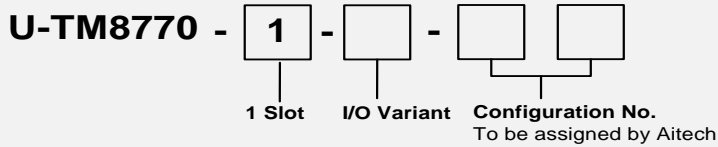
- VPX backplane 12V power supplies are routed to the PCIe slot

U-TM8770

3U VPX RTM for the U-C8770 SOSA-aligned SBC



Ordering Information



Example: U-TM8770-11-00

Contact Aitech

Contact your Aitech sales representative for additional product information, and for inquiries regarding customized configurations of the U-TM8770.

PRELIMINARY



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