

## SATA Rear Transition Module

### FEATURES

#### On-Board Storage

2.5 inch SATA Drive Bay for  
Optional HDDs or SSDs

SDHC Memory Card Slot

Dedicated Half-Slim SATA  
Module Position

#### Rear Panel Interfaces

RJ11 Serial Port, Switched  
Between COM1 or COM2

Two USB 2.0 Ports

VGA Video Connector

Dual 1000Base-T Ethernet (only  
when HDD/SDD not installed)

Up to Four SATA Channels for  
External Storage Such as  
CPC5910



This single-slot, 6U module provides rear panel access to I/O functions and SATA connectivity for the CPC5565 single board computer, and the CPC5910 storage expansion blade. The RTM4811 easily snaps into the rear panel slot of a CompactPCI® system, such as PT's Advanced Managed Platforms™.

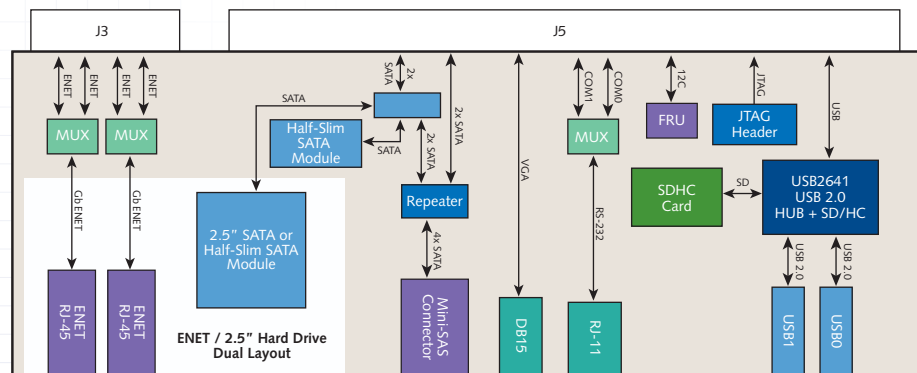
The RTM4811 routes all cabling to the rear of a system and provides access to a serial port, VGA connector, two USB 2.0 ports, and SATA interfaces. It allows for system troubleshooting and servicing without disrupting the storage board processor, which enhances the reliability and availability of the system, particularly while running diagnostics or conducting maintenance.

SATA connections can be routed to external SATA RAID arrays.

Four options are available for the RTM4811:

- 1.No drive
- 2.One 250 GB SATA hard drive
- 3.One 160 GB MLC solid-state drive (SSD)
- 4.No drive, (2) external Gb Ethernet ports – for use in non-PICMG 2.16 systems only

All options can support one half-slim SATA device. Options 1 and 4 support up to two half-slim devices.



RTM4811 - SATA Rear Transition Module

The RTM4811 also acts as a rear panel interconnect between a single board computer and a CPC5910 storage expansion blade. This is accomplished by connecting a SATA interface cable between the two RTM4811 RTMs supporting each front board.

#### Internal Interfaces

The RTM4811 is designed to offer a wide range of storage options, including SDHC and SD memory cards, SATA solid-state or hard drives as well as half-slim SATA devices. Any unused

#### Input/Output

The RTM4811 provides a RS-232 serial port connector. Rear panel access is provided to the VGA video and USB 2.0 signals on the host SBC.

#### Warranty

One year warranty.



## Technical Specifications

### ORDERING INFORMATION

#### PT-RTM4811-12461

SATA Storage Expansion Rear Transition Module with no drive

#### PT-RTM4811-12460

SATA Storage Expansion Rear Transition Module with a 250 GB 24/7 SATA Hard Drive

#### PT-RTM4811-12459

SATA Storage Expansion Rear Transition Module with a MLC Solid-State Drive

#### PT-RTM4811-12458

SATA Expansion Rear Transition Module, No Drive, with Dual Gb Ethernet Interfaces (for use in non-PICMG 2.16 applications)

#### PT-ACC102-12479

One Meter Long Mini-SAS to Mini-SAS Cable (for SATA interface)

#### PT-ACC5911-12162

RJ-11 to RJ-11 Serial Cable

For more information visit [www.pt.com](http://www.pt.com) or call your local representative.

### Specification Compliance

- CompactPCI core specifications, PICMG 2.0 R3.0
- USB 2.0

### Mechanical

- Measures: 233.35 mm x 80 mm (9.2 in. x 3.2 in.)
- Width: 1 slot, 4HP, 20.3 mm (0.8 in.)
- Weight: 202 grams (7.13 oz)
- Connector: IEC-1076-4-101 (J5)

### Environmental

- Operating temperature: 0 to 55°C (32 to 131°F)
- Storage temperature: -40 to 85°C (-40 to 185°F)
- Relative humidity: < 95% at 40°C (104°F), non-condensing

### Physical Interfaces

I/O Interface	Compatibility
COM1 Serial Port	RJ-11
VGA	15-pin D-shell
USB 2.0	(2) 4-pin USB, Type A
SATA Interface	4-port mini-SAS connector
Gb Ethernet	(2) Optional RJ-45 connectors (eliminates 2.5" SATA drives)
Internal I/O Interface	
SATA Drive	2.5-in. SATA drive connector
Secure Digital	SDHC
Half-slim SATA	One dedicated connector

### Agency Certifications (Pending)

#### FCC (USA) Part 15 Class A

#### ICES (Canada) Class A

#### CE (EU) Certification

- Compliance has been demonstrated to the intent of:
  - EU 2004/108/EC Electromagnetic Compatibility Directive
  - EU 2006/95/EC Low Voltage Directive
- EC Declaration of Conformance

#### Electromagnetic Compatibility

- EN55022 Radiated and Conducted Emissions
- EN300 386 Electromagnetic Compatibility (EMC)
- EN55024 Immunity
  - EN61000-4-2 Electro-Static Discharge (ESD)
  - EN61000-4-3 Radiated Susceptibility
  - EN61000-4-4 Electrical Fast Transient Burst
  - EN61000-4-5 Surge Immunity
  - EN61000-4-6 Frequency Magnetic Fields
  - EN61000-4-11 Voltage Dips, Variations, and Short Interruptions

#### Safety

- UL/cUL 60950 Safety for Information Technology Equipment
  - UL Recognized Component – File: E170533
- EN/IEC 60950 Safety for Information Technology Equipment
- CB Scheme Certificate and Report

#### Telecommunications

- Designed to meet NEBS Level 3 and ETSI Criteria:
  - GR-63-CORE – Network Equipment-Building System Requirements: Physical Protection
  - GR-1089-CORE – Electromagnetic Compatibility and Electrical Safety
  - ETSI EN 300 019-2-1 v2.1.2 – Storage
  - ETSI EN 300 019-2-2 v2.1.2 – Transportation
  - ETSI EN 300 019-2-3 v2.2.2 – Stationary Use
  - ETSI ETS 300 753 – Acoustic Noise

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