

PM8315/PM4328/PM5365

TEMUX/TECT3/TEMAP DEVICE DRIVER

DEVICE DRIVER RELEASE NOTES

PROPRIETARY AND CONFIDENTIAL

ISSUE 2: AUGUST, 01

REVISION HISTORY

Issue No.	Issue Date	Details of Change
1	May 29, 2000	Document created
2	August, 2001	Document updated for release rel-1.0

1 ABOUT THIS RELEASE

This is the production release (rel-1.0) of the PM8315 (TEMUX), PM4328 (TECT3) and PM5365 (TEMAP) device driver. Rel-1.0 is intended for use with PM8315 TEMUX, PM4328 TECT3, and PM5365 TEMAP devices. Rel-1.0 is functionally complete and has been tested by PMC-Sierra as described in Section 3 below. Rel-1.0 supersedes all prior versions of the device driver. By default the driver will work with TEMUX devices. To use the driver with TEMAP devices, use the compile switch **DEV_IS_TEMAP** (see Makefile). To use the driver with TECT3 devices, use the compile switch **DEV_IS_TECT3** (see Makefile).

2 WHAT'S INCLUDED IN THIS RELEASE

This production release of the TEMUX/TECT3/TEMAP driver includes the following files:

Directory	Filename	File Version
driver/src	tmx_api.c	1.6
	tmx_app.c	1.7
	tmx_diag.c	1.5
	tmx_dpr.c	1.11
	tmx_hw.c	1.5
	tmx_isr.c	1.8
	tmx_rtos.c	1.5
	tmx_stat.c	1.4
	tmx_util.c	1.15
driver/inc	temux.h	1.8
	tmx_api.h	1.9
	tmx_app.h	1.5
	tmx_dev.h	1.14
	tmx_dpr.h	1.4
	tmx_hw.h	1.6

Directory	Filename	File Version
	tmx_isr.h	1.4
	tmx_mdb.h	1.7
	tmx_rtos.h	1.6
	tmx_util.h	1.5
example	app.c	1.11
	app.h	1.4
	hw_pci.h	1.6
	rtos_vxw.h	1.3
/	Makefile	n/a
/	software.lic	n/a
/	temux_relnotes_r2.pdf (this file)	n/a

Notes:

1. app.c, app.h contain example callback function implementation and example code.
2. hw_pci.h contains an example port of the hardware interface to an x86 based CompactPCI platform..
3. rtos_vxw.h contains an example port of the RTOS interface to the vxWorks RTOS.

3 TESTING STATUS OF THIS RELEASE

All TEMUX/TECT3/TEMAP device driver Application Programming Interface (API) functions have been tested in-house using the PM8315, PM4328, and PM5365 on a proprietary PMC-Sierra, Inc. validation platform running the VxWorks™ RTOS. As of the publication date of this document, there are no known bugs in this release. However, the customer is advised to consult our web site (<http://www.pmc-sierra.com>) for any relevant errata that may have been issued subsequent to the publication of this document.

4 WHAT'S NEW IN THIS RELEASE?

rel-1.0: Production release for the PM8315/PM5365/PM4328 device driver.

- Incorporated support for PM4328 (TECT3) device.
- Fixed issue in which a potential memory corruption error could occur in DPR processing.
- Fixed buffer management and masking issues with the interrupt servicing routines.
- Various changes to code to eliminate compiler warnings. Fixed issue where source didn't compile when the macro `USE_MACROS_RTOS` was undefined.
- Fixed issue in which user-defined callback functions weren't being registered with the driver.

5 REPORTING PROBLEMS

Please refer to the revision numbers in the files when reporting problems. For technical support, please contact PMC-Sierra by e-mail at apps@pmc-sierra.com or by telephone at 604-415-4533.

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