

PM5363

TUPP+622 DEVICE DRIVER

DEVICE DRIVER RELEASE NOTES

PROPRIETARY AND CONFIDENTIAL

ISSUE 2: FEBRUARY, 01

REVISION HISTORY

Issue No.	Issue Date	Details of Change
1	January 2000	Document created
2	February 2001	Document updated for release rel-1.0

1 ABOUT THIS RELEASE

This is the production release (rel-1.0) of the PM5363 (TUPP+622) device driver. Rel-1.0 is intended for use with PM5363 TUPP+622 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.

2 WHAT'S INCLUDED IN THIS RELEASE

This production release of the TUPP+622 driver includes the following files:

Directory	Filename	File Version
/src	tup_api1.c	1.7
	tup_api2.c	1.10
	tup_hw.c	1.7
	tup_isr.c	1.6
	tup_prof.c	1.6
	tup_rtos.c	1.6
	tup_stat.c	1.7
	tup_util.c	1.6
/inc	tup_api.h	1.7
	tup_defs.h	1.7
	tup_err.h	1.6
	tup_fns.h	1.6
	tup_hw.h	1.9

Directory	Filename	File Version
/inc	tup_rtos.h	1.6
	tup_strs.h	1.6
	tup_typs.h	1.5
/example	tup_app.c	1.3
	tup_app.h	1.3
	tup_debug.c	1.3
	tup_debug.h	1.3
/	Makefile	1.8
/	software.lic	n/a
/	tupp_plus_622_relnotes_r2.pdf (this file)	n/a

Notes:

1. tup_app.c, tup_app.h contain example callback function implementation and example code.
2. tup_debug.c, tup_debug.h contain an example debugging task that reports register accesses to the device.

3 TESTING STATUS OF THIS RELEASE

All TUPP+622 device driver Application Programming Interface (API) functions have been tested in-house using the PM5363 on a proprietary PMC-Sierra, Inc. application platform running 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 PM5363 device driver.

1. Added support for disabling the C1J1 pulse during the TUGEN enable within `utilTuppInitRegsByPass`. This procedure is outlined in the Tupp+622 data sheet (PMC-1981421).
2. Modified the alarm, status and statistics block API and structures. Statistics are no longer accumulated inside the driver and `tuppClearStats` has been removed. The DSB and MSB structures have been replaced with new status and counts structures. Device status and internal counts can be accessed on per STM-1 basis using `tuppGetCnt` and `tuppGetStatus`.
3. Fixed a bug in `tuppDPR` to automatically return the allocated DPV buffers when the callback functions are defined as `NULL`. In `tuppDPR`, the low-level function `sysTuppDPVBufferRtn` is called to return the DPV buffer if no callback is defined, and no callback is performed.
4. Fixed the invalid parameter check in `tuppWriteBlock` and `tuppReadBlock` where `TUP_MULT` was incorrectly used in the register bounds check.

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.

PMC-Sierra, Inc.
105-8555 Baxter Place Burnaby, BC
Canada V5A 4V7

Tel: (604) 415-6000
Fax: (604) 415-6200

Document Information: document@pmc-sierra.com
Corporate Information: info@pmc-sierra.com
Application Information: apps@pmc-sierra.com
Web Site: <http://www.pmc-sierra.com>

None of the information contained in this document constitutes an express or implied warranty by PMC-Sierra, Inc. as to the sufficiency, fitness or suitability for a particular purpose of any such information or the fitness, or suitability for a particular purpose, merchantability, performance, compatibility with other parts or systems, of any of the products of PMC-Sierra, Inc., or any portion thereof, referred to in this document. PMC-Sierra, Inc. expressly disclaims all representations and warranties of any kind regarding the contents or use of the information, including, but not limited to, express and implied warranties of accuracy, completeness, merchantability, fitness for a particular use, or non-infringement.

In no event will PMC-Sierra, Inc. be liable for any direct, indirect, special, incidental or consequential damages, including, but not limited to, lost profits, lost business or lost data resulting from any use of or reliance upon the information, whether or not PMC-Sierra, Inc. has been advised of the possibility of such damage.

© 2001 PMC-Sierra, Inc.

PMC-1991767 (R2) Issue date: February 2001