PM7326, PM7324, PM7350, PM7351

VORTEX CHIPSET DRIVER

CHIPSET DRIVER RELEASE NOTES

PROPRIETARY AND CONFIDENTIAL

PRELIMINARY

ISSUE 1: AUGUST 2000

REVISION HISTORY

Issue No.	Issue Date	Details of Change
1	August 11, 2000	Document created

1 ABOUT THIS RELEASE

This is the beta-1.0 release of the VORTEX Chipset driver. Beta-1.0 is intended for use with the VORTEX chipset, consisting of PM7326 S/UNI-APEX, PM7324 S/UNI-ATLAS, PM7350 S/UNI-VORTEX and PM7351 S/UNI-DUPLEX. The beta-1.0 release is functionally complete and has been tested by PMC-Sierra as described in Section 4 below.

2 REFERENCES

The main reference for this document is:

- DSLAM Reference Design: Core Card, Issue 2, PMC-1990815 (PMC-Sierra, Inc.)

3 WHAT'S INCLUDED IN THIS RELEASE

This beta-1.0 release of the Vortex Chipset driver includes the following files:

Directory	Filename	File Version
vcsdrv/src	dev_api1.c	37
	dev_api2.c	32
	vcs_api3.c	35
	dev_buf.c	5
	dev_hw.c	9
	vcs_ind.c	16
	dev_queu.c	4
	dev_rtos.c	6
	dev_sys.c	17
	vcs_test.c[1]	26
	dev_util.c	35
vcsdrv/inc	dev.h	28
	dev_api.h	23
	dev_buf.h	6
	dev_err.h	17
	dev_hw.h	12
	dev_ind.h	10
	vcs_queu.h	3
	dev_rtos.h	9
	vcs_sys.h	7
	vcs_test.h[1]	7

	dev_type.h	4
apxdrv/src	apx_api1.c	8
	apx_api2.c	6
	apx_hw.c	4
	apx_io.c	7
	apx_ism.c	4
	apx_lps.c	5
	apx_prof.c	3
	apx_qe.c	7
	apx_rtos.c	7
	apx_sar.c	7
	apx_stat.c	3
	apx_util.c	3
apxdrv/inc	apx_api.h	6
	apx_defs.h	6
	apx_eg.h	5
	apx_err.h	7
	apx_fns.h	6
	apx_hw.h	5
	apx_rtos.h	4
	apx_strs.h	5
	apx_typs.h	4
atlsdrv/src	atls.c	8
	atls_api.c	12

	atls_api2.c	13
	atls_hw.c	5
	atls_rtos.c	5
	atls2.c	6
atlsdrv/inc	atls.h	6
	atls_api.h	10
	atls_cfg.h	8
	atls_err.h	6
	atls_hw.h	4
	atls_rtos.h	6
	atls_types.h	7
vtxdrv/src	vtx.c	5
	vtx_api.c	8
	vtx_hw.c	4
	vtx_rtos.c	4
	vtx_test.c	5
vtxdrv/inc	vtx.h	4
	vtx_api.h	4
	vtx_err.h	6
	vtx_hw.h	5
	vtx_rtos.h	4
	vtx_test.h	4
dpxdrv/src	dpx.c	4
	dpx_api.c	6

	dpx_hw.c	4
	dpx_rtos.c	4
	dpx_test.c	5
dpxdrv/inc	dpx.h	6
	dpx_api.h	3
	dpx_err.h	4
	dpx_hw.h	5
	dpx_rtos.h	5
	dpx_test.h	4
bsp/	sysPci.c[2]	1
	sysPci.h[2]	1
test/src	vcsApp.c[3]	28
test/inc	vcsApp.h[3]	15

Notes:

1. vcs_test.c, vcs_test.h files contain example callback function implementation and example initialization vector for DSLAM Reference Design core card.

2. sysPci.c, sysPci.h files contain code specific to PMC test platform and VxWorks RTOS. This code should only be used as a reference.

3. vcsApp.c, vcsApp.h files contain example Application testing code, which illustrates initializing the DSLAM Reference Design core card, setting up connections on the card and performing some diagnostic functions.

4 TESTING STATUS OF THIS RELEASE

All VORTEX Chipset driver Application Programming Interface (API) functions have been tested in-house using the proprietary DSLAM reference design core card running VxWorks™ RTOS. Please refer to PMC document # 1990815 for further details on the proprietary DSLAM reference core card design. 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.

5 WHAT'S NEW IN THIS RELEASE?

beta-1.0: Initial release for the Vortex Chipset driver.

Duplex Device Driver:

The Vortex Chipset driver contains device driver code for the Duplex. This Duplex device driver code is same as the driver code in the PM7350 Duplex Release-1.0, with changes to system specific files dpx_hw.c, dpx_hw.h and application specific files dpx_test.c, dpx_test.h.

Vortex Device Driver:

The Vortex Chipset driver contains device driver code for the Vortex. This Vortex device driver code is same as the driver code in the PM7351 Vortex Release-1.0, with changes to system specific files vtx_hw.c, vtx _hw.h and application specific files vtx _test.c, vtx _test.h.

Apex Device Driver:

The Apex Chipset driver contains device driver code for the Apex. This Apex device driver code is same as the driver code in the PM7326 Apex Release-1.0, with changes to system specific files apx_hw.c, apx_hw.h, apx_rtos.h. The application specific files apx_eg.c and apx_eg.h are not used in the chipset driver.

Atlas Device Driver:

The Atlas Chipset driver contains device driver code for the Atlas. This Atlas device driver code is same as the driver code in the PM7324 Atlas beta-1.0 release, with changes to system specific files atls_hw.c, atls_cfg.h, atls_rtos.c, atls_rtos.h. The application specific files atls_test.c and atls_test.h are not used in the chipset driver.

6 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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