

### OVP Guide to Using Processor Models

# Model specific information for MIPS\_P5600

Imperas Software Limited Imperas Buildings, North Weston Thame, Oxfordshire, OX9 2HA, U.K. docs@imperas.com



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## Overview

This document provides the details of an OVP Fast Processor Model variant.

OVP Fast Processor Models are written in C and provide a C API for use in C based platforms. The models also provide a native interface for use in SystemC TLM2 platforms.

The models are written using the OVP VMI API that provides a Virtual Machine Interface that defines the behavior of the processor. The VMI API makes a clear line between model and simulator allowing very good optimization and world class high speed performance. Most models are provided as a binary shared object and also as source. This allows the download and use of the model binary or the use of the source to explore and modify the model.

The models are run through an extensive QA and regression testing process and most model families are validated using technology provided by the processor IP owners. There is a companion document (OVP Guide to Using Processor Models) which explains the general concepts of OVP Fast Processor Models and their use. It is downloadable from the OVPworld website documentation pages.

### 1.1 Description

MIPS32 Configurable Processor Model

If you need other variants, these models can be obtained from www.OVPworld.org/MIPSuser.

### 1.2 Licensing

Usage of binary model under license governing simulator usage. Source of model available under Imperas Software License Agreement.

#### 1.3 Limitations

If this model is not part of your installation, then it is available for download from www.OVPworld.org/MIPSuser.

Cache model does not implement coherency

#### 1.4 Verification

Models have been validated correct as part of the MIPS Verified program and run through the MIPS AVP test programs

#### 1.5 Features

Only MIPS32 Instruction set implemented

MMU Type: Standard TLB

FPU implemented

L1 I and D cache model in either full or tag-only mode implemented (disabled by default)

Segmentation control implemented

Enhanced virtual address (EVA) supported

Vectored interrupts implemented

### 1.6 Description

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L1 I and D cache model in either full or tag-only mode implemented (disabled by default)

Segmentation control implemented

Enhanced virtual address (EVA) supported

Vectored interrupts implemented

## Configuration

### 2.1 Location

This model's VLNV is mips.ovpworld.org/processor/mips32/1.0.

The model source is usually at:

\$IMPERAS\_HOME/ImperasLib/source/mips.ovpworld.org/processor/mips32/1.0

The model binary is usually at:

\$IMPERAS\_HOME/lib/\$IMPERAS\_ARCH/ImperasLib/mips.ovpworld.org/processor/mips32/1.0

#### 2.2 GDB Path

The default GDB for this model is: \$IMPERAS\_HOME/lib/\$IMPERAS\_ARCH/CrossCompiler/mips-mti-elf/bin/mips-mti-elf-gdb.

### 2.3 Semi-Host Library

The default semi-host library file is mips.ovpworld.org/semihosting/mips32Newlib/1.0

### 2.4 Processor Endian-ness

This model can be set to either endian-ness (normally by a pin, or the ELF code).

### 2.5 QuantumLeap Support

This processor is qualified to run in a QuantumLeap enabled simulator.

### 2.6 Processor ELF code

The ELF code supported by this model is: 0x8.

## All Variants in this model

This model has these variants

Variant	Description
I7200	
M5100	
M5150	
M6200	
M6250	
MIPS32R6	
P5600	(described in this document)

Table 3.1: All Variants in this model

## **Bus Master Ports**

This model has these bus master ports.

Name	min max Connect?		Connect?	Description
INSTRUCTION	12	59	mandatory	
DATA	12	59	optional	
USPRAM	32	32	optional	unified scratchpad RAM

Table 4.1: Bus Master Ports

# **Bus Slave Ports**

This model has no bus slave ports.

# Net Ports

This model has these net ports.

Name	Type	Connect?	Description
reset	input	optional	CMP reset
dint	input	optional	Debug external interrupt
int0	input	optional	GIC external interrupt
int1	input	optional	GIC external interrupt
int2	input	optional	GIC external interrupt
int3	input	optional	GIC external interrupt
int4	input	optional	GIC external interrupt
int5	input	optional	GIC external interrupt
int6	input	optional	GIC external interrupt
int7	input	optional	GIC external interrupt
int8	input	optional	GIC external interrupt
int9	input	optional	GIC external interrupt
int10	input	optional	GIC external interrupt
int11	input	optional	GIC external interrupt
int12	input	optional	GIC external interrupt
int13	input	optional	GIC external interrupt
int14	input	optional	GIC external interrupt
int15	input	optional	GIC external interrupt
int16	input	optional	GIC external interrupt
int17	input	optional	GIC external interrupt
int18	input	optional	GIC external interrupt
int19	input	optional	GIC external interrupt
int20	input	optional	GIC external interrupt
int21	input	optional	GIC external interrupt
int22	input	optional	GIC external interrupt
int23	input	optional	GIC external interrupt
int24	input	optional	GIC external interrupt
int25	input	optional	GIC external interrupt
int26	input	optional	GIC external interrupt
int27	input	optional	GIC external interrupt
int28	input	optional	GIC external interrupt

int29	input	optional	GIC external interrupt
			_
int30	input	optional	GIC external interrupt
int31	input	optional	GIC external interrupt
int32	input	optional	GIC external interrupt
int33	input	optional	GIC external interrupt
int34	input	optional	GIC external interrupt
int35	input	optional	GIC external interrupt
int36	input	optional	GIC external interrupt
int37	input	optional	GIC external interrupt
int38	input	optional	GIC external interrupt
int39	input	optional	GIC external interrupt
ej_disable_probe_debug	input	optional	GIC ej_disable_probe_debug
ejtagbrk_override	input	optional	GIC ejtagbrk_override
ej_dint_in	input	optional	GIC ej_dint_in
GCR_CUSTOM_BASE	output	optional	Provides the least significant 32-
	_	_	bits of the value written to the
			GCR_CUSTOM_BASE register. Sec-
			ond half of GCR_CUSTOM_BASE_HI
			and GCR_CUSTOM_BASE output.
GCR_CUSTOM_BASE_UPPER	output	optional	Provides the most significant 32-
	1	<u> </u>	bits of value written to the the
			GCR_CUSTOM_BASE register. First
			half of GCR_CUSTOM_BASE_HI and
			GCR_CUSTOM_BASE output.
reset_CPU0	input	optional	Core reset
hwint0_CPU0	input	optional	External interrupt
hwint1_CPU0	input	optional	External interrupt
hwint2_CPU0	input	optional	External interrupt
hwint3_CPU0	input	optional	External interrupt
hwint4_CPU0	input	optional	External interrupt
hwint5_CPU0	input	optional	External interrupt
nmi_CPU0	input	optional	Non-maskable external interrupt
EICPresent_CPU0	input	optional	Input signal SI_EICPresent per VPE
EIC_RIPL_CPU0	input	optional	External interrupt controller RIPL (alias
	P ~ 0		of hwint0 - 5 or 7)
EIC_EICSS_CPU0	input	optional	External interrupt controller EICSS
EIC_VectorNum_CPU0	input	optional	External interrupt controller vector num-
	F	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ber
EIC_VectorOffset_CPU0	input	optional	External interrupt controller vector offset
EIC_GID_CPU0	input	optional	External interrupt controller guest ID
intISS_CPU0	output	optional	True when interrupt request is serviced
causeTI_CPU0	output	optional	True when timer interrupt expires
causeIP0_CPU0	output	optional	Raised for software interrupt request IP0
causeIP1_CPU0	output	optional	Raised for software interrupt request IP1
si_sleep_CPU0	output	optional	True when the VPE is in WAIT state
1	F '	1	

nput nput nput nput nput	optional optional optional optional optional	Set to force stop of execution on processor VPE (simulation control only)  Guest External interrupt controller RIPL  Guest External interrupt controller EICSS  Guest External interrupt controller vector number  Guest External interrupt controller vector offset
nput nput nput	optional optional	VPE (simulation control only) Guest External interrupt controller RIPL Guest External interrupt controller EICSS Guest External interrupt controller vector number Guest External interrupt controller vector
nput nput nput	optional optional	Guest External interrupt controller RIPL Guest External interrupt controller EICSS Guest External interrupt controller vector number Guest External interrupt controller vector
nput nput	optional optional	Guest External interrupt controller vector number Guest External interrupt controller vector
nput	optional	number Guest External interrupt controller vector
nput	-	Guest External interrupt controller vector
nput	-	-
	optional	offset
	optional	
		Guest External interrupt controller guest ID
utput	optional	True when Guest interrupt request is ser-
		viced
utput	optional	True when Guest timer interrupt expires
utput	optional	Raised for Guest software interrupt re-
		quest IP0
utput	optional	Raised for Guest software interrupt re-
		quest IP1
nput	_	Core reset
nput	optional	External interrupt
nput		External interrupt
nput	_	External interrupt
nput	optional	External interrupt
nput	-	External interrupt
nput	optional	External interrupt
nput	optional	Non-maskable external interrupt
nput	_	Input signal SI_EICPresent per VPE
nput	optional	External interrupt controller RIPL (alias of hwint0 - 5 or 7)
nput	optional	External interrupt controller EICSS
	-	External interrupt controller vector num-
r	· F	ber
nput	optional	External interrupt controller vector offset
nput	-	External interrupt controller guest ID
utput		True when interrupt request is serviced
utput	_	True when timer interrupt expires
utput	optional	Raised for software interrupt request IP0
utput	optional	Raised for software interrupt request IP1
utput	optional	True when the VPE is in WAIT state
nput	optional	Set to force stop of execution on processor
_	-	VPE (simulation control only)
nput	optional	Guest External interrupt controller RIPL
nput	optional	Guest External interrupt controller EICSS
nput	optional	Guest External interrupt controller vector number
	atput  aput  aput	atput optional aput optional atput optional aput optional aput optional aput optional aput optional aput optional

Guest.EIC_VectorOffset_CPU1	input	optional	Guest External interrupt controller vector offset
Guest.EIC_GID_CPU1	input	optional	Guest External interrupt controller guest ID
Guest.intISS_CPU1	output	optional	True when Guest interrupt request is serviced
Guest.causeTI_CPU1	output	optional	True when Guest timer interrupt expires
Guest.causeIP0_CPU1	output	optional	Raised for Guest software interrupt request IP0
Guest.causeIP1_CPU1	output	optional	Raised for Guest software interrupt request IP1
reset_CPU2	input	optional	Core reset
hwint0_CPU2	input	optional	External interrupt
hwint1_CPU2	input	optional	External interrupt
hwint2_CPU2	input	optional	External interrupt
hwint3_CPU2	input	optional	External interrupt
hwint4_CPU2	input	optional	External interrupt
hwint5_CPU2	input	optional	External interrupt
nmi_CPU2	input	optional	Non-maskable external interrupt
EICPresent_CPU2	input	optional	Input signal SI_EICPresent per VPE
EIC_RIPL_CPU2	input	optional	External interrupt controller RIPL (alias of hwint0 - 5 or 7)
EIC_EICSS_CPU2	input	optional	External interrupt controller EICSS
EIC_VectorNum_CPU2	input	optional	External interrupt controller vector number
EIC_VectorOffset_CPU2	input	optional	External interrupt controller vector offset
EIC_GID_CPU2	input	optional	External interrupt controller guest ID
intISS_CPU2	output	optional	True when interrupt request is serviced
causeTI_CPU2	output	optional	True when timer interrupt expires
causeIP0_CPU2	output	optional	Raised for software interrupt request IP0
causeIP1_CPU2	output	optional	Raised for software interrupt request IP1
si_sleep_CPU2	output	optional	True when the VPE is in WAIT state
vc_run_CPU2	input	optional	Set to force stop of execution on processor VPE (simulation control only)
Guest.EIC_RIPL_CPU2	input	optional	Guest External interrupt controller RIPL
Guest.EIC_EICSS_CPU2	input	optional	Guest External interrupt controller EICSS
Guest.EIC_VectorNum_CPU2	input	optional	Guest External interrupt controller vector number
Guest.EIC_VectorOffset_CPU2	input	optional	Guest External interrupt controller vector offset
Guest.EIC_GID_CPU2	input	optional	Guest External interrupt controller guest ID
Guest.intISS_CPU2	output	optional	True when Guest interrupt request is serviced
Guest.causeTI_CPU2	output	optional	True when Guest timer interrupt expires
L			<u> </u>

Guest.causeIP0_CPU2	output	optional	Raised for Guest software interrupt request IP0
Guest.causeIP1_CPU2	output	optional	Raised for Guest software interrupt re-
	_	1	quest IP1
reset_CPU3	input	optional	Core reset
hwint0_CPU3	input	optional	External interrupt
hwint1_CPU3	input	optional	External interrupt
hwint2_CPU3	input	optional	External interrupt
hwint3_CPU3	input	optional	External interrupt
hwint4_CPU3	input	optional	External interrupt
hwint5_CPU3	input	optional	External interrupt
nmi_CPU3	input	optional	Non-maskable external interrupt
EICPresent_CPU3	input	optional	Input signal SI_EICPresent per VPE
EIC_RIPL_CPU3	input	optional	External interrupt controller RIPL (alias
	1	1	of hwint0 - 5 or 7)
EIC_EICSS_CPU3	input	optional	External interrupt controller EICSS
EIC_VectorNum_CPU3	input	optional	External interrupt controller vector num-
		_	ber
EIC_VectorOffset_CPU3	input	optional	External interrupt controller vector offset
EIC_GID_CPU3	input	optional	External interrupt controller guest ID
intISS_CPU3	output	optional	True when interrupt request is serviced
causeTLCPU3	output	optional	True when timer interrupt expires
causeIP0_CPU3	output	optional	Raised for software interrupt request IP0
causeIP1_CPU3	output	optional	Raised for software interrupt request IP1
si_sleep_CPU3	output	optional	True when the VPE is in WAIT state
vc_run_CPU3	input	optional	Set to force stop of execution on processor
			VPE (simulation control only)
Guest.EIC_RIPL_CPU3	input	optional	Guest External interrupt controller RIPL
Guest.EIC_EICSS_CPU3	input	optional	Guest External interrupt controller EICSS
Guest.EIC_VectorNum_CPU3	input	optional	Guest External interrupt controller vector
			number
Guest.EIC_VectorOffset_CPU3	input	optional	Guest External interrupt controller vector
			offset
Guest.EIC_GID_CPU3	input	optional	Guest External interrupt controller guest
			ID
Guest.intISS_CPU3	output	optional	True when Guest interrupt request is ser-
			viced
Guest.causeTLCPU3	output	optional	True when Guest timer interrupt expires
Guest.causeIP0_CPU3	output	optional	Raised for Guest software interrupt re-
			quest IP0
Guest.causeIP1_CPU3	output	optional	Raised for Guest software interrupt re-
			quest IP1

Table 6.1: Net Ports

# FIFO Ports

This model has no FIFO ports.

## Formal Parameters

Name	Type	Description
variant	Enumeration	Processor variant
endian	Endian	Model endian
cacheenable	Enumeration	Select cache model mode (default, tag or full)
cachedebug	Uns32	Cache debug flags
cacheextbiuinfo	Pointer	Pointer to platform-provided BIU cache info struc-
		ture
mipsHexFile	String	Load a MIPS hex file (test-mode)
IMPERAS_MIPS_AVP_OPCODES	Boolean	Enable MIPS-specific magic Pass/Fail opcodes (specific for AVP test termination)
cacheIndexBypassTLB	Boolean	When set, cache index ops do not generate TLB
•		exceptions
MIPS_TRACE	Boolean	Enable MIPS-format trace output
gprNames	Boolean	Disassemble the register names from the default
		ABI instead of register numbers for MIPS-format
		trace output
supervisorMode	Boolean	Override whether processor implements supervisor
		mode
busErrors	Boolean	Override bus error exception behavior. When true,
		accesses of memory not defined by platform will
		cause bus error exceptions
fixedMMU	Boolean	Override the MMU type to fixed mapping when
		true (sets Config.MT=3, Config.KU/K23=2 and
		Config1.MMUSizeM1=0)
fixedDbgRegSize	Boolean	Enable applications to debug on P5600 with GDB
		version 2015.06-05 and prior
removeDSP	Boolean	Override the DSP-present configuration when true (sets Config3.DSPP/DSP2P=0)
removeCMP	Boolean	Override the CMP-Present configuration when true
		(sets Config3.CMGCR and GCR_BASE to 0)
removeFP	Boolean	Override the FP-Present configuration when true
		(sets Config1.FP to 0)
removeFTLB	Boolean	Override the FTLBEn configuration when true
		(disable FTLB)
isISA	Boolean	Enable to specify ISA model (reset address from
		ELF, all coprocessors enabled)
hiddenTLBentries	Boolean	Deprecated - Instead set config1MMUSizeM1 to
		maximum value to improve performance
perfCounters	Uns32	Performance Counters
MTFPU	Uns32	Enable multi-threaded FPU (1:old mttc1 behavior,
		2:new mttc1 behavior)

supportDenormals	Boolean	Enable to specify that the FPU supports denormal
		operands and results
VPE0MaxTC	Uns32	Specifies the maximum TCs initially on VPE0. Ignored if less than two VPEs configured.
VPE1MaxTC	Uns32	Specifies the maximum TCs initially on VPE1. Ignored if less than three VPEs configured.
mpuRegions	Uns32	Number of regions for memory protection unit
mpuType	Uns32	Type of MPU implementation
mpuEnable	Boolean	Enable MPU2 segment control at reset
mpuSegment0	Uns32	Attributes for segment 0 in MPU2 SegmentCon-
		trol_0 register
mpuSegment1	Uns32	Attributes for segment 1 in MPU2 SegmentControl_0 register
mpuSegment2	Uns32	Attributes for segment 2 in MPU2 SegmentCon-
		trol_0 register
mpuSegment3	Uns32	Attributes for segment 3 in MPU2 SegmentCon-
		trol_0 register
mpuSegment4	Uns32	Attributes for segment 4 in MPU2 SegmentControl_1 register
mpuSegment5	Uns32	Attributes for segment 5 in MPU2 SegmentCon-
		trol_1 register
mpuSegment6	Uns32	Attributes for segment 6 in MPU2 SegmentControl_1 register
mpuSegment7	Uns32	Attributes for segment 7 in MPU2 SegmentCon-
		trol_1 register
mpuSegment8	Uns32	Attributes for segment 8 in MPU2 SegmentCon-
I Q		trol_2 register
mpuSegment9	Uns32	Attributes for segment 9 in MPU2 SegmentCon-
1 0		trol_2 register
mpuSegment10	Uns32	Attributes for segment 10 in MPU2 SegmentControl_2 register
mpuSegment11	Uns32	Attributes for segment 11 in MPU2 SegmentCon-
. 0		trol_2 register
mpuSegment12	Uns32	Attributes for segment 12 in MPU2 SegmentCon-
		trol_3 register
mpuSegment13	Uns32	Attributes for segment 13 in MPU2 SegmentControl_3 register
mpuSegment14	Uns32	Attributes for segment 14 in MPU2 SegmentCon-
		trol_3 register
mpuSegment15	Uns32	Attributes for segment 15 in MPU2 SegmentCon-
		trol_3 register
mvpconf0vpe	Uns32	Override MVPConf0.PVPE
tcDisable	Uns32	Number of disabled TCs
vpeDisable	Uns32	Number of disabled VPEs
mvpconf0tc	Uns32	Override MVPConf0.PTC
mvpconf0pcp	Boolean	Override MVPConf0.PCP
mvpconf0tcp	Boolean	Override MVPConf0.TCP
mvpconf1c1f	Boolean	Override MVPConf.C1F
mvpcontrolPolicyMode	Boolean	Override MVPControl.POLICY_MODE
hasFDC	Uns32	Specify the size of Fast Debug Channel register
		block
licenseWarningDays	Uns32	Specify the number of days before a license expires
- v		to start issuing a warning. 0 disables warnings.
MIPS_UHI	Boolean	Enable MIPS-Unified Hosting interface
mipsUhiArgs	String	Specifies UHI arguments string separated by spaces
mipsUhiJail	String	Specifies UHI jailroot

MIPS_DV_MODE	Boolean	Enable Design Verification mode
MIPS_MAGIC_OPCODES	Boolean	Enable MIPS-specific magic Pass/Fail opcodes
enableTrickbox	Boolean	Enable trickbox addresses (specific for AVP)
fpuexcdisable	Boolean	Disable FPU exceptions
TRU_PRESENT	Boolean	Disable or Enable based on TRU presence to con-
		trol certain fields (e.x.perfCtl.PCTD
ucLLwordsLocked	Uns32	Numbers of words (4 byte) an uncached LL is lock-
		ing. Maximum: 4K
FUSA	Boolean	Enable Functional Safety
CPC_FAULT_SUPPORTED	Uns32	Specify the value for Functional Safety Supported
		register
CPC_FAULT_ENABLE	Uns32	Specify the value for Functional Safety Enable reg-
		ister
cop2Bits	Uns32	Specifies width in bits of COP2 registers (32 or 64)
cop2FileName	String	Specifies COP2 dynamically-loaded object
		(.so/.dll) defining COP2 instructions
udiConfig	Int32	Specifies UDI configuration attribute
udiFileName	String	Specifies UDI dynamically-loaded object (.so/.dll)
		defining UDI instructions
vectoredinterrupt	Boolean	Enables vectored interrupts (sets Config3 VInt)
externalinterrupt	Boolean	Enables the use of an external interrupt controller
		(sets Config3 VEIC)
rootFixedMMU	Boolean	Override the root MMU type to fixed map-
		ping when true (sets Config.MT=3 and Con-
		fig.KU/K23=2)
rootMMUSizeM1	Uns32	Override the root MMUSizeM1 field in Config1 reg-
		ister (number of MMU entries-1)
srsctlHSS	Uns32	Override the HSS field in SRSCtl register (number
		of shadow register sets)
firPS	Uns32	Override the PS field in FIR register
firHas2008	Uns32	Override the Has2008 field in FIR register
usePreciseFpu	Uns32	Use the precise Floating Point emulation
simulateLite	Enumeration	Run Simulation with optimization. There are
		several optimizations which coule be combined
		(NONE, FS, MA or FSMA)
pridCompanyOptions	Uns32	Override the Company Options field in PRId reg-
		ister
pridRevision	Uns32	Override the Revision field in PRId register
globalClusterNum	Uns32	Override the ClusterNum field in GlobalNumber
		register
intctlIPTI	Uns32	Override the IPTI field in IntCtl register
intctlIPFDC	Uns32	Override the IPFDC field in IntCtl register
intctlIPPCI	Uns32	Override the IPPCI field in IntCtl register
numWatch	Uns32	Specify number of WatchLo/WatchHi register pairs
xconfigSpecified	Boolean	True if the configuration comes from a valid xconfig
		file
segcfg0PA	Uns32	Set CFG0.PA field of SegCtl0 register
segcfg1PA	Uns32	Set CFG1.PA field of SegCtl0 register
segcfg2PA	Uns32	Set CFG2.PA field of SegCtl1 register
segcfg3PA	Uns32	Set CFG3.PA field of SegCtl1 register
segcfg4PA	Uns32	Set CFG4.PA field of SegCtl2 register
segcfg5PA	Uns32	Set CFG5.PA field of SegCtl2 register
segcfg0AM	Uns32	Set CFG0.AM field of SegCtl0 register
segcfg1AM	Uns32	Set CFG1.AM field of SegCtl0 register
segcfg2AM	Uns32	Set CFG2.AM field of SegCtl1 register
segcfg3AM	Uns32	Set CFG3.AM field of SegCtl1 register
υ υ <sup>-</sup>	1	1

segcfg4AM	Uns32	Set CFG4.AM field of SegCtl2 register
segcfg5AM	Uns32	Set CFG5.AM field of SegCtl2 register
segcfg0EU	Uns32	Set CFG0.EU field of SegCtl0 register
segcfg1EU	Uns32	Set CFG1.EU field of SegCtl0 register
segcfg2EU	Uns32	Set CFG2.EU field of SegCtl1 register
segcfg3EU	Uns32	Set CFG3.EU field of SegCtl1 register
segcfg4EU	Uns32	Set CFG4.EU field of SegCtl2 register
segcfg5EU	Uns32	Set CFG5.EU field of SegCtl2 register
segcfg0C	Uns32	Set CFG0.C field of SegCtl0 register
segcfg1C	Uns32	Set CFG1.C field of SegCtl0 register
segcfg2C	Uns32	Set CFG2.C field of SegCtl1 register
segcfg3C	Uns32	Set CFG3.C field of SegCtl1 register
segcfg4C	Uns32	Set CFG4.C field of SegCtl2 register
segcfg5C	Uns32	Set CFG5.C field of SegCtl2 register
cdmmSize	Uns32	Override the cdmmsize reset value
configAR	Uns32	Enables R6 support
configBM	Uns32	Override the BM field in Config register (burst
		mode)
configDSP	Boolean	Override Config.DSP (data scratchpad RAM
		present)
configISP	Boolean	Override Config.ISP (instruction scratchpad RAM
		present)
configK0	Uns32	Override power on value of Config.K0 (set Kseg0
	0.2202	cacheability)
configKU	Uns32	Override power on value of Config.KU (set Useg
		cacheability)
configK23	Uns32	Override power on value of Config.K23 (set Kseg23
		cacheability)
configMDU	Boolean	Override Config.MDU (iterative multiply/divide
Ü		unit)
configMM	Boolean	Override Config.MM (merging mode for write)
configMT	Uns32	Override Config.MT
configSB	Boolean	Override Config.SB (simple bus transfers only)
configBCP	Boolean	Override Config.BCP (Buffer Cache Present)
MIPS16eASE	Boolean	Override Config1.CA (enables the MIPS16e ASE)
config1DA	Uns32	Override Config1.DA (Deache associativity)
config1DL	Uns32	Override Config1.DL (Deache line size)
config1DS	Uns32	Override Config1.DS (Deache sets per way)
config1EP	Boolean	Override Config1.EP (EJTag present)
config1IA	Uns32	Override Config1.IA (Icache associativity)
config1IL	Uns32	Override Config1.IL (Icache line size)
config1IS	Uns32	Override Config1.IS (Icache sets per way)
config1MMUSizeM1	Uns32	Override Config1.MMUSizeM1 (number of MMU
<del>G</del>		entries-1)
config1MMUSizeM1_VPE1	Uns32	Override Config1.MMUSizeM1 for VPE1
config1MMUSizeM1_VPE2	Uns32	Override Config1.MMUSizeM1 for VPE2
config1MMUSizeM1_VPE3	Uns32	Override Config1.MMUSizeM1 for VPE3
config1WR	Boolean	Override Config1.WR (watchpoint registers
comgi mi	Doolean	present)
config1PC	Boolean	Override Config1.PC (Performance Counters
comgr. c	Doorcan	present)
config1C2	Boolean	Override Config1.C2 (Coprocessor 2 present)
config2SU	Uns32	Override Colling: C2 (Coprocessor 2 present)  Override the SU field in Config2 register
config2SS	Uns32	Override the SC field in Config2 register  Override the SS field in Config2 register
config2SS config2SL	Uns32	Override the SS field in Config2 register  Override the SL field in Config2 register
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config2SA	Uns32	Override the SA field in Config2 register

config3BI	Boolean	Override Config3.BI
config3BP	Boolean	Override Config3.BP
config3CDMM	Boolean	Override Config3.CDMM
config3CTXTC	Boolean	Override Config3.CTXTC
config3DSPP	Boolean	Override Config3.DSPP
config3DSP2P		
	Boolean	Override Config3.DSP2P
config3IPLW	Uns32	Override Config3.IPLW
config3ISA	Uns32	Override Config3.ISA
config3ISAOnExc	Boolean	Override Config3.ISAOnExc
config3ITL	Boolean	Override Config3.ITL
config3LPA	Boolean	Override Config3.LPA
config3MCU	Boolean	Override Config3.MCU
config3MMAR	Uns32	Override Config3.MMAR
config3RXI	Boolean	Override Config3.RXI
config3SC	Boolean	Override Config3.SC
config3ULRI	Boolean	Override Config3.ULRI
config3VZ	Boolean	Override Config3.VZ
config3MSAP	Boolean	Override Config3.MSAP
config3CMGCR	Boolean	Override the CMGCR field in Config3 register
config3SP	Boolean	Override the SP field in Config3 register
config3TL	Uns32	Override the TL field in Config3 register
config3PW	Boolean	Override the PW field in Config3 register
config4AE	Boolean	Override Config4.AE
config4IE	Uns32	Override Config4.IE
config4MMUConfig	Uns32	Override Config4.MMUConfig field (interpretation
		depends on MMUExtDef value)
config4MMUExtDef	Uns32	Override Config4.MMUExtDef
config4VTLBSizeExt	Uns32	Override Config4.VTLBSizeExt
config4KScrExist	Uns32	Override Config4.KScrExist
config5EVA	Boolean	Override Config5.EVA
config5LLB	Boolean	Override Config5.LLB (LLAddr supports LLbit)
config5MRP	Boolean	Override Config5.MRP (MaaR Present)
config5NFExists	Boolean	Override Config5.NFExists
mips32Macro	Boolean	Enables the MIPS32 SAVE and RESTORE macro
		instructions. Ignored if Config5.CA2 is not set)
config5MSAEn	Boolean	Override Config5.MSAEn
config5MVH	Boolean	Override Config5.MVH (enable MTHC0 and
		MFHC0 instructions)
config5DEC	Boolean	Override Config5.DEC (to test Dual Endian Capa-
		bility)
config5GI	Uns32	Override Config5.GI (enable GINV)
config5CRCP	Boolean	Override Config5.CRCP (CRCP Present)
config5VP	Boolean	Override Config5.VP
config6FTLBEn	Boolean	Override power on value of Config6.FTLBEn
config7AR	Boolean	Override Config7.AR (Alias removed Data cache)
config7DCIDX_MODE	Uns32	Override Config7.DCIDX_MODE
config7HCI	Boolean	Override Config7.HCI (Hardware Cache Initializa-
_		tion)
config7IAR	Boolean	Override Config7.IAR (Alias removed Instruction
		cache)
config7WII	Boolean	Override Config7.WII (wait IE/IXMT ignore)
config7ES	Uns32	Override the ES field in Config7 register (External-
		ize sync)
config7WR	Boolean	Override Config7[31] bit (Alternative implementa-
		tion of Watch registers)
config7FPR	Boolean	Override Config7.FPR (one-half FPU clock ratio)
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config7USP	Uns32	Override Config7.USP (USPRAM enable)
config7BTLM	Boolean	Override Config7.BTLM bit
config7BusSlp	Boolean	Override Config7.BusSlp bit
config7IVAD	Boolean	Override Config7.IVAD bit
config7RPS	Boolean	Override Config7.RPS bit
config7IAR_CPU0_VPE0	Boolean	Override Config7.IAR bit for CPU0/VPE0
config7IAR_CPU0_VPE1	Boolean	Override Config7.IAR bit for CPU0/VPE1
config7IAR_CPU0_VPE2	Boolean	Override Config7.IAR bit for CPU0/VPE2
config7IAR_CPU0_VPE3	Boolean	Override Config7.IAR bit for CPU0/VPE3
config7IAR_CPU1_VPE0	Boolean	Override Config7.IAR bit for CPU1/VPE0
config7IAR_CPU1_VPE1	Boolean	Override Config7.IAR bit for CPU1/VPE1
config7IAR_CPU1_VPE2	Boolean	Override Config7.IAR bit for CPU1/VPE2
config7IAR_CPU1_VPE3	Boolean	Override Config7.IAR bit for CPU1/VPE3
config7IAR_CPU2_VPE0	Boolean	Override Config7.IAR bit for CPU2/VPE0
config7IAR_CPU2_VPE1	Boolean	Override Config7.IAR bit for CPU2/VPE1
config7IAR_CPU2_VPE2	Boolean	Override Config7.IAR bit for CPU2/VPE2
config7IAR_CPU2_VPE3	Boolean	Override Config7.IAR bit for CPU2/VPE3
config7IAR_CPU3_VPE0	Boolean	Override Config7.IAR bit for CPU3/VPE0
config7IAR_CPU3_VPE1	Boolean	Override Config7.IAR bit for CPU3/VPE1
config7IAR_CPU3_VPE2	Boolean	Override Config7.IAR bit for CPU3/VPE2
config7IAR_CPU3_VPE3	Boolean	Override Config7.IAR bit for CPU3/VPE3
config7IAR_CPU4_VPE0	Boolean	Override Config7.IAR bit for CPU4/VPE0
config7IAR_CPU4_VPE1	Boolean	Override Config7.IAR bit for CPU4/VPE1
config7IAR_CPU4_VPE2	Boolean	Override Config7.IAR bit for CPU4/VPE2
config7IAR_CPU4_VPE3	Boolean	Override Config7.IAR bit for CPU4/VPE3
config7IAR_CPU5_VPE0	Boolean	Override Config7.IAR bit for CPU5/VPE0
config7IAR_CPU5_VPE1	Boolean	Override Config7.IAR bit for CPU5/VPE1
config7IAR_CPU5_VPE2	Boolean	Override Config7.IAR bit for CPU5/VPE2
config7IAR_CPU5_VPE3	Boolean	Override Config7.IAR bit for CPU5/VPE3
config7IAR_CPU6_VPE0	Boolean	Override Config7.IAR bit for CPU6/VPE0
config7IAR_CPU6_VPE1	Boolean	Override Config7.IAR bit for CPU6/VPE1
config7IAR_CPU6_VPE2	Boolean	Override Config7.IAR bit for CPU6/VPE2
config7IAR_CPU6_VPE3	Boolean	Override Config7.IAR bit for CPU6/VPE3
config7IAR_CPU7_VPE0	Boolean	Override Config7.IAR bit for CPU7/VPE0
config7IAR_CPU7_VPE1	Boolean	Override Config7.IAR bit for CPU7/VPE1
config7IAR_CPU7_VPE2	Boolean	Override Config7.IAR bit for CPU7/VPE2
config7IAR_CPU7_VPE3	Boolean	Override Config7.IAR bit for CPU7/VPE3
config7IVAD_CPU0_VPE0	Boolean	Override Config7.IVAD bit for CPU0/VPE0
config7IVAD_CPU0_VPE1	Boolean	Override Config7.IVAD bit for CPU0/VPE1
config7IVAD_CPU0_VPE2	Boolean	Override Config7.IVAD bit for CPU0/VPE2
config7IVAD_CPU0_VPE3	Boolean	Override Config7.IVAD bit for CPU0/VPE3
config7IVAD_CPU1_VPE0	Boolean	Override Config7.IVAD bit for CPU1/VPE0
config7IVAD_CPU1_VPE1	Boolean	Override Config7.IVAD bit for CPU1/VPE1
config7IVAD_CPU1_VPE2	Boolean	Override Config7.IVAD bit for CPU1/VPE2
config7IVAD_CPU1_VPE3	Boolean	Override Config7.IVAD bit for CPU1/VPE3
config7IVAD_CPU2_VPE0	Boolean	Override Config7.IVAD bit for CPU2/VPE0
config7IVAD_CPU2_VPE1	Boolean	Override Config7.IVAD bit for CPU2/VPE1
config7IVAD_CPU2_VPE2	Boolean	Override Config7.IVAD bit for CPU2/VPE2
config7IVAD_CPU2_VPE3	Boolean	Override Config7.IVAD bit for CPU2/VPE3
config7IVAD_CPU3_VPE0	Boolean	Override Config7.IVAD bit for CPU3/VPE0
config7IVAD_CPU3_VPE1	Boolean	Override Config7.IVAD bit for CPU3/VPE1
config7IVAD_CPU3_VPE2	Boolean	Override Config7.IVAD bit for CPU3/VPE2
config7IVAD_CPU3_VPE3	Boolean	Override Config7.IVAD bit for CPU3/VPE3
config7IVAD_CPU4_VPE0	Boolean	Override Config7.IVAD bit for CPU4/VPE0
config7IVAD_CPU4_VPE1	Boolean	Override Config7.IVAD bit for CPU4/VPE1
config7IVAD_CPU4_VPE2	Boolean	Override Config7.IVAD bit for CPU4/VPE2
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config7IVAD_CPU4_VPE3	Boolean	Override Config7.IVAD bit for CPU4/VPE3
config7IVAD_CPU5_VPE0	Boolean	Override Config7.IVAD bit for CPU5/VPE0
config7IVAD_CPU5_VPE1	Boolean	Override Config7.IVAD bit for CPU5/VPE1
config7IVAD_CPU5_VPE2	Boolean	Override Config7.IVAD bit for CPU5/VPE2
config7IVAD_CPU5_VPE3	Boolean	Override Config7.IVAD bit for CPU5/VPE3
config7IVAD_CPU6_VPE0	Boolean	Override Config7.IVAD bit for CPU6/VPE0
config7IVAD_CPU6_VPE1	Boolean	Override Config7.IVAD bit for CPU6/VPE1
config7IVAD_CPU6_VPE2	Boolean	Override Config7.IVAD bit for CPU6/VPE2
config7IVAD_CPU6_VPE3	Boolean	Override Config7.IVAD bit for CPU6/VPE3
config7IVAD_CPU7_VPE0	Boolean	Override Config7.IVAD bit for CPU7/VPE0
config7IVAD_CPU7_VPE1	Boolean	Override Config7.IVAD bit for CPU7/VPE1
config7IVAD_CPU7_VPE2	Boolean	Override Config7.IVAD bit for CPU7/VPE2
config7IVAD_CPU7_VPE3	Boolean	Override Config7.IVAD bit for CPU7/VPE3
config7RPS_CPU0_VPE0	Boolean	Override Config7.RPS bit for CPU0/VPE0
config7RPS_CPU0_VPE1	Boolean	Override Config7.RPS bit for CPU0/VPE1
config7RPS_CPU0_VPE2	Boolean	Override Config7.RPS bit for CPU0/VPE2
config7RPS_CPU0_VPE3	Boolean	Override Config7.RPS bit for CPU0/VPE3
config7RPS_CPU1_VPE0	Boolean	Override Config7.RPS bit for CPU1/VPE0
config7RPS_CPU1_VPE1	Boolean	Override Config7.RPS bit for CPU1/VPE1
config7RPS_CPU1_VPE2	Boolean	Override Config7.RPS bit for CPU1/VPE2
config7RPS_CPU1_VPE3	Boolean	Override Config7.RPS bit for CPU1/VPE3
config7RPS_CPU2_VPE0	Boolean	Override Config7.RPS bit for CPU2/VPE0
config7RPS_CPU2_VPE1	Boolean	Override Config7.RPS bit for CPU2/VPE1
config7RPS_CPU2_VPE2	Boolean	Override Config7.RPS bit for CPU2/VPE2
config7RPS_CPU2_VPE3	Boolean	Override Config7.RPS bit for CPU2/VPE3
config7RPS_CPU3_VPE0	Boolean	Override Config7.RPS bit for CPU3/VPE0
config7RPS_CPU3_VPE1	Boolean	Override Config7.RPS bit for CPU3/VPE1
config7RPS_CPU3_VPE2	Boolean	Override Config7.RPS bit for CPU3/VPE2
config7RPS_CPU3_VPE3	Boolean	Override Config7.RPS bit for CPU3/VPE3
config7RPS_CPU4_VPE0	Boolean	Override Config7.RPS bit for CPU4/VPE0
config7RPS_CPU4_VPE1	Boolean	Override Config7.RPS bit for CPU4/VPE1
config7RPS_CPU4_VPE2	Boolean	Override Config7.RPS bit for CPU4/VPE2
config7RPS_CPU4_VPE3	Boolean	Override Config7.RPS bit for CPU4/VPE3
config7RPS_CPU5_VPE0	Boolean	Override Config7.RPS bit for CPU5/VPE0
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config7RPS_CPU5_VPE1	Boolean	Override Config7.RPS bit for CPU5/VPE1
config7RPS_CPU5_VPE2	Boolean	Override Config7.RPS bit for CPU5/VPE2
config7RPS_CPU5_VPE3	Boolean	Override Config7.RPS bit for CPU5/VPE3
config7RPS_CPU6_VPE0	Boolean	Override Config7.RPS bit for CPU6/VPE0
config7RPS_CPU6_VPE1	Boolean	Override Config7.RPS bit for CPU6/VPE1
config7RPS_CPU6_VPE2	Boolean	Override Config7.RPS bit for CPU6/VPE2
config7RPS_CPU6_VPE3	Boolean	Override Config7.RPS bit for CPU6/VPE3
config7RPS_CPU7_VPE0	Boolean	Override Config7.RPS bit for CPU7/VPE0
config7RPS_CPU7_VPE1	Boolean	Override Config7.RPS bit for CPU7/VPE1
config7RPS_CPU7_VPE2	Boolean	Override Config7.RPS bit for CPU7/VPE2
config7RPS_CPU7_VPE3	Boolean	Override Config7.RPS bit for CPU7/VPE3
statusFR	Boolean	Override power on value in Status.FR (Floating
		point register mode)
fcsrABS2008	Boolean	Override FCSR.ABS2008 (ABS/NEG compliant
		with IEEE 754-2008)
fcsrNAN2008	Boolean	Override FCSR.NAN2008 (QNaN/SNaN encodings
		match IEEE 754-2008 recommendation)
numMaarRegs	Uns32	Override number of MAAR registers (must be even)
srsconf0SRS1	Uns32	Override the SRS1 field in SRSConf0 register
srsconf0SRS2	Uns32	Override the SRS2 field in SRSConf0 register
srsconf0SRS3	Uns32	Override the SRS3 field in SRSConf0 register
wiredLimit	Uns32	Override Limit field of the Wired register

wiredLimitBits	Uns32	Override width of Limit field of the Wired register
wiredWiredBits	Uns32	Override width of Wired field of the Wired register
cdmmBaseCI	Boolean	Override CDMMBase.CI
parityEnable	Uns32	Specify error detection support: 0 - none; 1 - parity; 2 - ECC
useMpTb	Boolean	Override Use of multi-processor test bench
ExceptionBase	Uns32	Specify the BEV Exception Base address. (use GCR_Cx_RESET_BASE on CMP processors)
UseExceptionBase	Boolean	Set to one to use ExceptionBase[29:12] as the corresponding BEV address bits
first BEVException Base Mask Bit	Uns32	Specify LSB position of GCR_Cx_RESET_EXT_BASE.BEVExceptionBaseM field. Only used when SegCtl present
EVAReset	Boolean	Set to one to reset into non-legacy address map and BEV location. Only used when non-CMP and SegCtl present
ExceptionBaseMask	Uns32	Specify the ExceptionBaseMask value used for bits [27:firstBEVExceptionBaseMaskBit]. Only used when non-CMP and SegCtl present
ExceptionBasePA	Uns32	Bits [35:29] of the physical address for the BEV overlays. Only used when non-CMP and SegCtl present
l1BufferCache	Boolean	L1 Buffer Cache
GCU_EX	Boolean	CMP system only: GCR custom block present
GIC_EX	Boolean	CMP system only: GIC unit present
CPC_EX	Boolean	CMP system only: CPC unit present
TIMER_ROUTABLE	Boolean	CMP system only: cpu timer interrupt routable within cluster
SWINT_ROUTABLE	Boolean	CMP system only: software interrupt routable within cluster
PERFCNT_ROUTABLE	Boolean	CMP system only: performance counter interrupt routable within cluster
FDC_ROUTABLE	Boolean	CMP system only: fast debug channel interrupt routable within cluster
GCR_PCORES	Uns32	CMP system only: override GCR_CONFIG.PCORES (number of cores-1)
GCR_ADDR_REGIONS	Uns32	CMP system only: override GCR_CONFIG.ADDR_REGIONS (number of MMIO address regions)
GCR_NUMAUX	Uns32	CMP system only: override GCR_CONFIG.NUMAUX (number of auxiliary memory ports)
GCR_BASE	Uns32	CMP system only: override GCR_BASE.GCR_BASE (default GCR register address)
GCR_MINOR_REV	Uns32	CMP system only: override GCR_REV.MINOR_REV
GCR_MAJOR_REV	Uns32	CMP system only: override GCR_REV.MAJOR_REV
GCR_CACHE_MINOR_REV	Uns32	CMP system only: override GCR_CACHE_REV.MINOR_REV
GCR_CACHE_MAJOR_REV	Uns32	CMP system only: override GCR_CACHE_REV.MAJOR_REV
GCR_L2_ASSOC	Uns32	CMP system only: override GCR_L2_CONFIG.ASSOC
GCR_L2_SET_SIZE	Uns32	CMP system only: override GCR_L2_CONFIG.SET_SIZE

GCR_SYS_CONFIG2_MAX_VP_WIDTH	Uns32	CMP system only: override GCR_SYS_CONFIG2.MAX_VP_WIDTH
GCR_IOCU1_MINOR_REV	Uns32	CMP system only: override GCR_IOCU1_REV.MINOR_REV
GCR_IOCU1_MAJOR_REV	Uns32	CMP system only: override GCR_IOCU1_REV.MAJOR_REV
GIC_NUMINTERRUPTS	Uns32	CMP system only: override GIC_SH_CONFIG.NUMINTERRUPTS
GIC_COUNTBITS	Uns32	CMP system only: override GIC_SH_CONFIG.COUNTBITS
GIC_MINOR_REV	Uns32	CMP system only: override GIC_SH_REVISION.MINOR_REV
GIC_MAJOR_REV	Uns32	CMP system only: override GIC_SH_REVISION.MAJOR_REV
GIC_NUM_TEAMS	Uns32	CMP system only: override GIC_SH_DBG_CONFIG.NUM_TEAMS
GIC_TRIG_RESET	Uns32	CMP system only: Zero value of GIC_SH_TRIG_[31_0, 63_32]
GIC_PVPES	Uns32	CMP system only: override GIC_SH_CONFIG.PVPE
CPC_MICROSTEP	Uns32	CMP system only: override CPC_SEQDEL.MICROSTEP
CPC_RAILDELAY	Uns32	CMP system only: override CPC_RAIL.RAILDELAY
CPC_RESETLEN	Uns32	CMP system only: override CPC_RESETLEN.RESETLEN
CPC_MINOR_REV	Uns32	CMP system only: override CPC_REVISION.MINOR_REV
CPC_MAJOR_REV	Uns32	CMP system only: override CPC_REVISION.MAJOR_REV
GIC_SH_GID_CONFIG31_0	Uns32	CMP system only: override GIC_SH_GID_CONFIG[31_0]
GIC_SH_GID_CONFIG63_32	Uns32	CMP system only: override GIC_SH_GID_CONFIG[63_32]
GIC_SH_GID_CONFIG95_64	Uns32	CMP system only: override GIC_SH_GID_CONFIG[95_64]
GIC_SH_GID_CONFIG127_96	Uns32	CMP system only: override GIC_SH_GID_CONFIG[127_96]
GIC_SH_GID_CONFIG159_128	Uns32	CMP system only: override GIC_SH_GID_CONFIG[159_128]
GIC_SH_GID_CONFIG191_160	Uns32	CMP system only: override GIC_SH_GID_CONFIG[191_160]
GIC_SH_GID_CONFIG223_192	Uns32	CMP system only: override GIC_SH_GID_CONFIG[223_192]
GIC_SH_GID_CONFIG255_224	Uns32	CMP system only: override GIC_SH_GID_CONFIG[255_224]
GCR_C0_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 0
GCR_C1_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 1
GCR_C2_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 2
GCR_C3_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 3
GCR_C4_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 4

CRR. C3. RESET_BASE			
GCR.C4.RESET.BASE  GCR.C7.RESET.BASE  GCR.C8.RESET.BASE  Uns32  GMP system only: GCR.C4.RESET.BASE for core 6  GCR.C9.RESET.BASE  Uns32  GMP system only: GCR.C4.RESET.BASE for core 8  GCR.C9.RESET.BASE  Uns32  GMP system only: GCR.C4.RESET.BASE for core 8  GCR.C9.RESET.BASE  Uns32  GMP system only: GCR.C4.RESET.BASE for core 9  GCR.C0.RESET.EXT.BASE  GCR.C1.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 0  GCR.C3.RESET.EXT.BASE  Uns32  GCMP system only: GCR.C4.RESET.EXT.BASE for core 1  GCR.C3.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 2  GCR.C3.RESET.EXT.BASE  Uns32  GCMP system only: GCR.C4.RESET.EXT.BASE for core 2  GCR.C4.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 3  GCR.C5.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 4  GCR.C5.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 5  GCR.C6.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  Uns32  GMP system only: GCR.C4.RESET.EXT.BASE for core 6  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.EXT.BASE  GCR.C9.RESET.B	GCR_C5_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
COURT   Cour	CCD CC DDCDT DAGD	11 00	
GCR.CS.RESET.BASE Uns32 GCMP system only: GCR.CL.RESET.BASE for core 8 GCR.C9.RESET.BASE Uns32 GCMP system only: GCR.CL.RESET.BASE for core 9 GCR.C0.RESET.EXT.BASE Uns32 GCR.C1.RESET.EXT.BASE for core 0 GCR.C1.RESET.EXT.BASE GCR.C1.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 0 GCR.C3.RESET.EXT.BASE Uns32 GCR.C3.RESET.EXT.BASE Uns32 GCR.C3.RESET.EXT.BASE Uns32 GCR.C3.RESET.EXT.BASE Uns32 GCR.C4.RESET.EXT.BASE Uns32 GCR.C5.RESET.EXT.BASE Uns32 GCR.C5.RESET.EXT.BASE Uns32 GCR.C5.RESET.EXT.BASE Uns32 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 3 GCR.C6.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 4 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 5 GCR.C6.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 6 GCR.C5.RESET.EXT.BASE Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 7 GCR.C3.PEN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 GCC.CVP.EN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 GCC.CVP.EN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 GCC.CVP.EN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 1 GCR.C5.VP.EN for core 2 GCR.C5.VP.EN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 1 GCR.C5.VP.EN for core 3 GCR.C5.VP.EN Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 EIC.OPTION Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 EIC.OPTION Uns32 GCMP system only: GCR.CL.RESET.EXT.BASE for core 9 EIC.OPT.EN GCR.CC.RESET.EXT.BASE for core 9 EIC.OPT.EN GCR.CC.RESET.EXT.BASE for core 9 EIC.OPT.EN GCR.CC.RESET.EXT.BASE for core 9	GCR_C6_RESET_BASE	Uns32	
Core 7	CCR C7 RESET BASE	Unc39	
GCR.C9.RESET_BASE  Uns32  CMP system only: GCR.CL.RESET_BASE for core 8  GCR.C0.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  GCR.C1.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 0  CMP system only: GCR.CL.RESET_EXT_BASE for core 0  CMP system only: GCR.CL.RESET_EXT_BASE for core 1  GCR.C2.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 2  GCR.C3.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 3  GCR.C4.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 4  GCR.C5.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 4  CMP system only: GCR.CL.RESET_EXT_BASE for core 4  GCR.C5.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 6  GCR.C5.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 6  GCR.C5.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C8.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C8.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 7  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  CPC.C9.VP.EN  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  CPC.C9.VP.EN  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  CPC.C9.VP.EN  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  CPC.C9.VP.EN  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 1  CMP system only: GCR.CL.RESET_EXT_BASE for core 1  CMP system only: GCR.CL.RESET_EXT_BASE for core 9  CPC.C9.VP.EN  Uns32  CMP system only: GCR.CL.RESET_EXT_BASE for core 1  CMP system only: GCR.CL.RESET_EXT_BASE for core 6  CMP system only: GCR.CL.RESET_EXT_BASE for core 6  CMP system only: GCR.CL.RESET_EXT_BASE fo	GORLO/IRESET_BASE	Ulisaz	
CORP.	GCR_C8_RESET_BASE	Uns32	
Core 9			
Core 9	GCR_C9_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GCR.C1.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 1  GCR.C3.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 2  GCR.C3.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 3  GCR.C4.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 4  GCR.C5.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 5  GCR.C6.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 7  GCR.C8.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C9.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 9  GCR.C9.RESET.EXT.BASE Uns32 CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C0.VP.EN Uns32 CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN Uns32 CMP system only: CPC.VP.EN for core 1  CPC.C2.VP.EN Uns32 CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN Uns32 CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN Uns32 CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN Uns32 CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN Uns32 CMP system only: CPC.VP.EN for core 3  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C5.VP.EN Uns32 CMP system only: CPC.VP.EN for core 6  CPC.C5.VP.EN Uns3			core 9
GCR.C1.RESET_EXT_BASE  GCR.C2.RESET_EXT_BASE  GCR.C3.RESET_EXT_BASE  GCR.C3.RESET_EXT_BASE  GCR.C4.RESET_EXT_BASE  GCR.C4.RESET_EXT_BASE  GCR.C5.RESET_EXT_BASE  GCR.C5.RESET_EXT_BASE  GCR.C6.RESET_EXT_BASE  GCR.C6.RESET_EXT_BASE  GCR.C6.RESET_EXT_BASE  GCR.C7.RESET_EXT_BASE  GCR.C6.RESET_EXT_BASE  GCR.C7.RESET_EXT_BASE  GCR.C6.RESET_EXT_BASE  GCR.C7.RESET_EXT_BASE  GCR.C7.RESET_EXT_BASE  GCR.C7.RESET_EXT_BASE  GCR.C8.RESET_EXT_BASE  GCR.C9.RESET_EXT_BASE	GCR_C0_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
GCR.C2.RESET_EXT_BASE			
GCR.C2.RESET_EXT_BASE  GCR.C3.RESET_EXT_BASE  GCR.C3.RESET_EXT_BASE  GCR.C4.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 3  CMP system only: GCR.C4.RESET_EXT_BASE for core 4  CMP system only: GCR.C4.RESET_EXT_BASE for core 4  CMP system only: GCR.C4.RESET_EXT_BASE for core 5  GCR.C5.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 5  GCR.C6.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 6  GCR.C7.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 7  GCR.C8.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 7  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 8  GCR.C9.RESET_EXT_BASE  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 9  CPC.C0.VP.EN  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 9  CPC.C1.VP.EN  Uns32  CMP system only: GCR.C4.RESET_EXT_BASE for core 9  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  Override the External interrupt controller EIC.OPTION  Uns32  Override the MC field in GuestCti0 register guestCti0AT  Uns32  Override the CPC field in GuestCti0 register guestCti0AT  Uns32  Override the CPC field in GuestCti0 register guestCti0ACD  Uns32  Override the CPC field in GuestCti0 register guestCti0ACD  Uns32  Override the DRG field in GuestCti0 register guestC	GCR_C1_RESET_EXT_BASE	Uns32	
GCR.C3.RESET_EXT_BASE			for core 1
GCR.C3.RESET.EXT.BASE  GCR.C4.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 3  CMP system only: GCR.CL.RESET.EXT.BASE for core 4  CMP system only: GCR.CL.RESET.EXT.BASE for core 4  CMP system only: GCR.CL.RESET.EXT.BASE for core 5  GCR.C6.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 7  CMP system only: GCR.CL.RESET.EXT.BASE for core 7  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C0.VP.EN  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN for core 6  CPC.C9.	GCR_C2_RESET_EXT_BASE	Uns32	
GCR.C4.RESET.EXT.BASE  GCR.C5.RESET.EXT.BASE  GCR.C6.RESET.EXT.BASE  GCR.C6.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 5  GCR.C6.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C8.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C9.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C9.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C0.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for			
GCR.C4.RESET.EXT.BASE  GCR.C5.RESET.EXT.BASE  GCR.C5.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 4  CMP system only: GCR.CL.RESET.EXT.BASE for core 5  CMP system only: GCR.CL.RESET.EXT.BASE for core 5  GCR.C7.RESET.EXT.BASE  GCR.C7.RESET.EXT.BASE  GCR.C8.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 7  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C9.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  CPC.C0.VP.EN  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 8  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  CPC.	GCR_C3_RESET_EXT_BASE	Uns32	
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GCR.C5.RESET.EXT.BASE  GCR.C6.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 5  GCR.C7.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 6  GCR.C7.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 7  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C8.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  CPC.C0.VP.EN  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C2.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  Uns32  Override the En field in GuestCtl0 register  QuestCtl0OT  Uns32  Override the CF field in GuestCtl0 register  QuestCtl0OT  Uns32  Override the CF field in GuestCtl0 register  QuestCtl0OG  Uns32  Override the CF field in GuestCtl0 register  QuestCtl0OG  Uns32  Override the CF field in GuestCtl0 register  QuestCtl0ORA  Uns32  Override the En En Ende in Guest Ctl0 register  QuestCtl0ORG  Uns32  Override the DRG field in	GUR_U4_RESET_EXT_BASE	Uns32	
GCR_C6_RESET_EXT_BASE  GCR_C7_RESET_EXT_BASE  GCR_C7_RESET_EXT_BASE  GCR_C8_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 6  GCR_C8_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 8  GCR_C9_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 9  CPC_C0_VP_EN  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 9  CPC_C1_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 0  CPC_C1_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 1  CPC_C2_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 2  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  Uns32  Override the CPC field in GuestCtl0 register guestCtl0MC  Uns32  Override the CPC field in GuestCtl0 register guestCtl0CC  Uns32  Override the CP field in GuestCtl0 register guestCtl0CC  Uns32  Override the CF field in GuestCtl0 register guestCtl0CCF  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 register guestCtl0CA  Uns32  Override the CF field in GuestCtl0 r	CCD Cr DEGET EVT DAGE	11 90	
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GCR.C7.RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE  for core 7  GCR_C8.RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE  GCR_C9.RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE  for core 8  CPC_C0.VP_EN  Uns32  CMP system only: CPC_VP_EN for core 0  CPC_C1_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 1  CPC_C2_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 2  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register  guestCtl0DT  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0CG  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the CF field in GuestCtl0 regi	CCR C6 RESET EYT BASE	Ung22	
GCR.C7.RESET.EXT.BASE  GCR.C8.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 7  CMP system only: GCR.CL.RESET.EXT.BASE for core 8  GCR.C9.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C0.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C2.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 8  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  Override the external interrupt controller EIC.OPTION  uns32  Override the RI field in GuestCtl0 register guestCtl0RI  Uns32  Override the MC field in GuestCtl0 register guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register guestCtl0AT  Uns32  Override the GF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0CA  Uns32  Override the DRG field in GuestCtl0 register guestCtl0CA  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DAG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DAG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DAG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DAG  Uns32  Override the DRG field in GuestCtl0 register gues	GCIL-COLILESET-EXT-DASE	Ulisaz	
GCR_C8_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 8  GCR_C9_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 9  CPC_C0_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 0  CPC_C1_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 1  CPC_C2_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 2  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 2  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  uns32  Override the RI field in GuestCtl0 register guestCtl0CP0  Uns32  Override the MC field in GuestCtl0 register guestCtl0CP0  Uns32  Override the MC field in GuestCtl0 register guestCtl0CT  Uns32  Override the GT field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0CG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Dolean  Enable read/write of Impl16 bit in Status register guestCtl0 Tello	GCR C7 RESET EXT BASE	Unc32	
GCR_C8_RESET_EXT_BASE  GCR_C9_RESET_EXT_BASE  Uns32  CMP system only: GCR_CL_RESET_EXT_BASE for core 8  CPC_C0_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 0  CPC_C1_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 1  CPC_C2_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 1  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 2  CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0RI  Uns32  Override the MC field in GuestCtl0 register  guestCtl0AT  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0AT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0AT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0AD  Uns32  Override the CF field in GuestCtl0 register  guestCtl0AD  Uns32  Override the CF field in GuestCtl0 register  guestCtl0AD  Uns32  Override the CF field in GuestCtl0 register  guestCtl0AD  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0AD  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lus32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lus32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lus32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lus32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lus32  Override the		011302	
GCR.C9.RESET.EXT.BASE  Uns32  CMP system only: GCR.CL.RESET.EXT.BASE for core 9  CPC.C0.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 0  CPC.C1.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 1  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 8  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  Override the external interrupt controller EIC.OPTION  guestCtl0RI  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register guestCtl0CP0  Uns32  Override the AT field in GuestCtl0 register guestCtl0CP0  Uns32  Override the GT field in GuestCtl0 register guestCtl0CT  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register guestCtl0CF  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register guestCtl0CG  Uns32  Override the GT field in GuestCtl0 register guestCtl0CF  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register guestCtl0GG  Uns32  Override the GT field in GuestCtl0 register guestCtl0GG  Uns32  Override the GT field in GuestCtl0 register guestCtl0GG  Uns32  Override the CF field in GuestCtl0 register guestCtl0GG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0GG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register guestCtl0DRG  Uns32  Overri	GCR C8 RESET EXT BASE	Uns32	
CRC.C9.RESET_EXT_BASE   Uns32   CMP system only: GCR_CL_RESET_EXT_BASE for core 9			
CPC_C0_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 0         CPC_C1_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 1         CPC_C2_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 2         CPC_C3_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 3         CPC_C4_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 4         CPC_C5_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 5         CPC_C6_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 6         CPC_C7_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 7         CPC_C8_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 8         CPC_C9_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 9         EIC_OPTION       Uns32       Override the external interrupt controller EIC_OPTION         guestCtl0RI       Uns32       Override the RI field in GuestCtl0 register         guestCtl0MC       Uns32       Override the MC field in GuestCtl0 register         guestCtl0GT       Uns32       Override the AT field in GuestCtl0 register         guestCtl0GT       Uns32       Override the GT field in GuestCtl0 register         guestCtl0GG       Uns32       Override the CG field in GuestCtl0 register         guestCtl0GG       Uns32	GCR_C9_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
CPC_C1_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 1         CPC_C2_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 2         CPC_C3_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 3         CPC_C4_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 4         CPC_C5_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 5         CPC_C6_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 6         CPC_C7_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 7         CPC_C8_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 8         CPC_C9_VP_EN       Uns32       CMP system only: CPC_VP_EN for core 9         EIC_OPTION       Uns32       Override the external interrupt controller EIC_OPTION         guestCtl0RI       Uns32       Override the MC field in GuestCtl0 register guestCtl0CP0         guestCtl0AT       Uns32       Override the CP0 field in GuestCtl0 register guestCtl0AT         guestCtl0GT       Uns32       Override the GT field in GuestCtl0 register guestCtl0CG         guestCtl0CF       Uns32       Override the CG field in GuestCtl0 register guestCtl0CF         guestCtl0GAD       Uns32       Override the CG field in GuestCtl0 register guestCtl0RAD         guestCtl0RAD       Uns32       Override the DRG field in GuestCtl0 register gue			
CPC.C2.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 2  CPC.C3.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 3  CPC.C4.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 4  CPC.C5.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 5  CPC.C6.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 6  CPC.C7.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C8.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 7  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 8  CPC.C9.VP.EN  Uns32  CMP system only: CPC.VP.EN for core 9  EIC.OPTION  Uns32  Override the external interrupt controller EIC.OPTION  guestCtl0RI  guestCtl0RI  guestCtl0CP0  Uns32  Override the MC field in GuestCtl0 register  guestCtl0AT  Uns32  Override the CPO field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CP field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the GI field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the DRG field in GuestCtl0 register  hasImpl17  Boolean  Enable read/write of Impl17 bit in Status register  hasImpl16  Boolean  Enable read/write of Impl17 bit in Status register		Uns32	
CPC_C3_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 3  CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GF  Uns32  Override the GF field in GuestCtl0 register  guestCtl0GF  Uns32  Override the GF field in GuestCtl0 register  guestCtl0GAD  Uns32  Override the GF field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  hasImpl17  Boolean  Enable read/write of Impl16 bit in Status register  guestintctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
CPC_C4_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 4  CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the AT field in GuestCtl0 register  guestCtl0AT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the GF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the GF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the GF field in GuestCtl0 register  guestCtl0GAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  hasImpl17  Boolean  Enable read/write of Impl16 bit in Status register  guestintctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
CPC_C5_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 5  CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  hasImpl16  Boolean  Enable read/write of Impl17 bit in Status register  guestIntCtlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			CMP system only: CPC_VP_EN for core 3
CPC_C6_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 6  CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  Uns32  Override the RI field in GuestCtl0 register  guestCtl0MC  Uns32  Override the CPO field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the AT field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GF field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GF field in GuestCtl0 register  guestCtl0GAD  Uns32  Override the GF field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Lander ead/write of Impl17 bit in Status register  guestIntctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
CPC_C7_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 7  CPC_C8_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0MC  Uns32  Override the MC field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the AT field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0G1  Uns32  Override the GI field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Enable read/write of Impl17 bit in Status register  guestintctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
CPC_C8_VP_EN  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 8  CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0MC  Uns32  Override the RI field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CG field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0G1  Uns32  Override the GI field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Enable read/write of Impl17 bit in Status register  hasImpl16  Boolean  Enable read/write of Impl16 bit in Status register  guestintctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
CPC_C9_VP_EN  Uns32  CMP system only: CPC_VP_EN for core 9  EIC_OPTION  Uns32  Override the external interrupt controller EIC_OPTION  guestCtl0RI  guestCtl0MC  Uns32  Override the RI field in GuestCtl0 register  guestCtl0CP0  Uns32  Override the CP0 field in GuestCtl0 register  guestCtl0AT  Uns32  Override the AT field in GuestCtl0 register  guestCtl0GT  Uns32  Override the GT field in GuestCtl0 register  guestCtl0CG  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0CF  Uns32  Override the CF field in GuestCtl0 register  guestCtl0GI  Uns32  Override the GI field in GuestCtl0 register  guestCtl0GI  Uns32  Override the GI field in GuestCtl0 register  guestCtl0RAD  Uns32  Override the RAD field in GuestCtl0 register  guestCtl0DRG  Uns32  Override the DRG field in GuestCtl0 register  guestCtl0DRG  Enable read/write of Impl17 bit in Status register  guestintctlIPTI  Uns32  Override the Guest IPTI field in IntCtl register			
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guestCtl0G1       Uns32       Override the G1 field in GuestCtl0 register         guestCtl0RAD       Uns32       Override the RAD field in GuestCtl0 register         guestCtl0DRG       Uns32       Override the DRG field in GuestCtl0 register         hasImpl17       Boolean       Enable read/write of Impl17 bit in Status register         hasImpl16       Boolean       Enable read/write of Impl16 bit in Status register         guestintctIIPTI       Uns32       Override the Guest IPTI field in IntCtl register			
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	hasImpl16		
guestintctlIPFDC Uns32 Override the Guest IPFDC field in IntCtl register			
	guestintctlIPFDC	Uns32	Override the Guest IPFDC field in IntCtl register

guestintctlIPPCI	Uns32	Override the Guest IPPCI field in IntCtl register
ISPRAM_SIZE	Uns32	Encoded size of the ISPRAM region
		$(\log 2(\langle ISPRAM \text{ size in bytes} \rangle) - 11)$
ISPRAM_BASE	Uns64	Starting physical address of the ISPRAM region
ISPRAM_ENABLE	Boolean	Set the enable bit of the ISPRAM region's tag (used
		to enable the ISPRAM region prior to reset)
ISPRAM_FILE	String	Load a MIPS hex file into the ISPRAM region prior
		to reset
DSPRAM_SIZE	Uns32	Encoded size of the DSPRAM region
		$(\log 2(\langle DSPRAM \text{ size in bytes} \rangle) - 11)$
DSPRAM_BASE	Uns64	Starting physical address of the DSPRAM region
DSPRAM_ENABLE	Boolean	Set the enable bit of the DSPRAM region's tag
		(used to enable the DSPRAM region prior to re-
		set)
DSPRAM_PRESENT	Boolean	DSPRAM is present with SAAR
$USPRAM\_SIZE$	Uns32	Encoded size of the USPRAM region
		$(\log 2(\langle \text{USPRAM size in bytes} \rangle) - 11)$
USPRAM_BASE	Uns64	Starting physical address of the USPRAM region
USPRAM_ENABLE	Boolean	Set the enable bit of the USPRAM region's tag
		(used to enable the USPRAM region prior to re-
		set)
USPRAM_FILE	String	Load a MIPS hex file into the USPRAM region
		prior to reset
misalignedDataException	Enumeration	Select misaligned data access exception signaling:
		never, checkCCA or always (never, checkCCA or
		always)
commitTlbwErr	Boolean	Commit TLBWI/TLBRI on ECC; in
		MIPS_DV_MODE only

Table 8.1: Parameters that can be set in: CMP

Name	Type	Description
endian	Endian	Model endian
cacheenable	Enumeration	Select cache model mode (default, tag or full)
cachedebug	Uns32	Cache debug flags
cacheextbiuinfo	Pointer	Pointer to platform-provided BIU cache info struc-
		ture
mipsHexFile	String	Load a MIPS hex file (test-mode)
IMPERAS_MIPS_AVP_OPCODES	Boolean	Enable MIPS-specific magic Pass/Fail opcodes
		(specific for AVP test termination)
cacheIndexBypassTLB	Boolean	When set, cache index ops do not generate TLB
		exceptions
MIPS_TRACE	Boolean	Enable MIPS-format trace output
gprNames	Boolean	Disassemble the register names from the default
		ABI instead of register numbers for MIPS-format
		trace output
supervisorMode	Boolean	Override whether processor implements supervisor
		mode
busErrors	Boolean	Override bus error exception behavior. When true,
		accesses of memory not defined by platform will
		cause bus error exceptions
fixedMMU	Boolean	Override the MMU type to fixed mapping when
		true (sets Config.MT=3, Config.KU/K23=2 and
		Config1.MMUSizeM1=0)
fixedDbgRegSize	Boolean	Enable applications to debug on P5600 with GDB
		version 2015.06-05 and prior

removeCMP Boolean Override the CMP-Present configuration when true (sets Config3.DSPP/DSP2P=0)  removeFP Boolean Override the FP-Present configuration when true (sets Config3.CMCR and GCR_BASE to 0)  removeFTLB Boolean Override the FP-Present configuration when true (sets Config1.PF to 0)  removeFTLB Boolean Override the FT-Present configuration when true (disable FTLB)  isISA Boolean Enable to specify ISA model (reset address from ELF, all coprocessors enabled)  hiddenTLBentries Boolean Deprecated - Instead set config1MMUSizeM1 to maximum value to improve performance  perfCounters Uns32 Performance Counters  MTFPU Uns32 Enable multi-threaded PPU (1:old mttc1 behavior)  supportDenormals Boolean Deolean Deolea		
Sets Config3.CMGCR and GCR.BASE to 0)   removeFP	removeCMP Boolean	
removeFTLB Boolean Override the FTLBEn configuration when true (disable FTLB)  isISA Boolean Enable to specify ISA model (reset address from ELF, all coprocessors enabled) hiddenTLBentries Boolean Deprecated - Instead set config1MMUSizeMI to maximum value to improve performance perfCounters  WTFPU Uns32 Brable multi-threaded FPU (I-old mttc1 behavior 2:new mttc1 behavior) supportDenormals Boolean Boolean Boolean Enable to specify that the FPU supports denorma operands and results VPE0MaxTC Uns32 Specifies the maximum TCs initially on VPE0. Ig nored if less than two VPEs configured. VPE1MaxTC Uns32 Specifies the maximum TCs initially on VPE1. Ig nored if less than three VPEs configured. VPE1MaxTC Uns32 Number of regions for memory protection unit mpuType Uns32 Type of MPU implementation Uns32 Attributes for segment 0 in MPU2 SegmentControl.0 register  mpuSegment0 Uns32 Attributes for segment 1 in MPU2 SegmentControl.0 register  mpuSegment3 Uns32 Attributes for segment 3 in MPU2 SegmentControl.0 register  mpuSegment4 Uns32 Attributes for segment 4 in MPU2 SegmentControl.0 register  mpuSegment5 Uns32 Attributes for segment 5 in MPU2 SegmentControl.0 register  mpuSegment6 Uns32 Attributes for segment 5 in MPU2 SegmentControl.1 register  mpuSegment6 Uns32 Attributes for segment 5 in MPU2 SegmentControl.1 register  mpuSegment6 Uns32 Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment6 Uns32 Attributes for segment 7 in MPU2 SegmentControl.1 register  mpuSegment7 Uns32 Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment7 Uns32 Attributes for segment 7 in MPU2 SegmentControl.1 register  mpuSegment7 Uns32 Attributes for segment 8 in MPU2 SegmentControl.1 register		
removeFTLB  Boolean  Override the FTLBEn configuration when true (disable FTLB)  Boolean  Enable to specify ISA model (reset address from ELF, all coprocessors enabled)  hiddenTLBentries  Boolean  Boolean  Deprecated - Instead set config1MMUSizeM1 to maximum value to improve performance maximum value to improve performance PerfCounters  MTPPU  Uns32  Enable multi-threaded FPU (1:old mttc1 behavior) 2:new mttc1 behavior) 2:new mttc1 behavior) 2:new mttc1 behavior) 2:new mttc1 behavior) 3:nored if less than two VPEs configured.  VPE0MaxTC  Uns32  Specifies the maximum TCs initially on VPE0. Ig nored if less than three VPEs configured.  VPE1MaxTC  Uns32  Specifies the maximum TCs initially on VPE1. Ig nored if less than three VPEs configured.  WINS2  Type of MPU implementation  mpuEnable  Boolean  Enable MPU2 segment control at reset  Uns32  Attributes for segment 0 in MPU2 SegmentControl.0 register  mpuSegment0  Uns32  Attributes for segment 1 in MPU2 SegmentControl.0 register  mpuSegment2  Uns32  Attributes for segment 2 in MPU2 SegmentControl.0 register  mpuSegment3  Uns32  Attributes for segment 4 in MPU2 SegmentControl.1 register  mpuSegment4  Uns32  Attributes for segment 5 in MPU2 SegmentControl.1 register  mpuSegment5  Uns32  Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment6  Uns32  Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment7  Uns32  Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment7  Uns32  Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment7  Uns32  Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl.2 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl.2 register	removeFP Boolean	Override the FP-Present configuration when true (sets Config1.FP to 0)
Boolean   Enable to specify ISA model (reset address from ELF, all coprocessors enabled)	removeFTLB Boolean	Override the FTLBEn configuration when true
Boolean	isISA Boolean	Enable to specify ISA model (reset address from
DerfCounters   Uns32	hiddenTLBentries Boolean	Deprecated - Instead set config1MMUSizeM1 to
MTFPU Uns32 Enable multi-threaded FPU (1:old mttc1 behavior 2:new mttc1 behavior)  SupportDenormals Boolean Enable to specify that the FPU supports denorma operands and results  VPE0MaxTC Uns32 Specifies the maximum TCs initially on VPE0. Ig nored if less than two VPEs configured.  VPE1MaxTC Uns32 Specifies the maximum TCs initially on VPE1. Ig nored if less than two VPEs configured.  WPE1MaxTC Uns32 Specifies the maximum TCs initially on VPE1. Ig nored if less than three VPEs configured.  MPU Specifies the maximum TCs initially on VPE1. Ig nored if less than three VPEs configured.  MPUSS2 Number of regions for memory protection unit mpuType Uns32 Type of MPU implementation  MPUSSE Segment On the ImpuSes of segment 0 in MPU2 Segment Control.0 register  MPUSSE of segment 1 in MPU2 Segment Control.0 register  MPUSSE of segment 2 in MPU2 Segment Control.0 register  MPUSSE of segment 3 in MPU2 Segment Control.0 register  MPUSSE of segment 4 in MPU2 Segment Control.1 register  MPUSSE of segment 5 in MPU2 Segment Control.1 register  MPUSSE of segment 5 in MPU2 Segment Control.1 register  MPUSSE of segment 6 in MPU2 Segment Control.1 register  MPUSSE of segment 7 in MPU2 Segment Control.1 register  MPUSSE of segment 7 in MPU2 Segment Control.1 register  MPUSSE of segment 8 in MPU2 Segment Control.1 register  MPUSSE of segment 8 in MPU2 Segment Control.1 register  MPUSSE of segment 8 in MPU2 Segment Control.1 register  MPUSSE of segment 8 in MPU2 Segment Control.1 register  MPUSSE of segment 9 in MPU2 Segment Control.2 register	nerfCounters Uns32	
SupportDenormals   Boolean   Enable to specify that the FPU supports denormal operands and results		
Boolean   Enable to specify that the FPU supports denormal operands and results	111110	
VPEOMaxTC  Uns32 Specifies the maximum TCs initially on VPEO. Ig nored if less than two VPEs configured.  VPEIMaxTC  Uns32 Specifies the maximum TCs initially on VPEO. Ig nored if less than two VPEs configured.  WPEIMaxTC  Uns32 Specifies the maximum TCs initially on VPEO. Ig nored if less than three VPEs configured.  WE will be a specified to the second of the se	supportDenormals Boolean	Enable to specify that the FPU supports denormal
VPE0MaxTC		
NPEIMAXTC  Uns32  Uns32  Specifies the maximum TCs initially on VPE1. Ignored if less than three VPEs configured.  We mpuRegions  Uns32  Number of regions for memory protection unit  May a tributes for segment 0 in MPU2 SegmentControl.0 register  May a tributes for segment 1 in MPU2 SegmentControl.0 register  May a tributes for segment 2 in MPU2 SegmentControl.0 register  Matributes for segment 3 in MPU2 SegmentControl.0 register  Matributes for segment 4 in MPU2 SegmentControl.1 register  Matributes for segment 5 in MPU2 SegmentControl.1 register  Matributes for segment 6 in MPU2 SegmentControl.1 register  Matributes for segment 6 in MPU2 SegmentControl.1 register  Matributes for segment 7 in MPU2 SegmentControl.1 register  Matributes for segment 8 in MPU2 SegmentControl.2 register	VPE0MaxTC Uns32	
VPE1MaxTC		
mpuRegions Uns32 Number of regions for memory protection unit mpuType Uns32 Type of MPU implementation mpuEnable Boolean Enable MPU2 segment control at reset mpuSegment0 Uns32 Attributes for segment 0 in MPU2 SegmentControl.0 register mpuSegment1 Uns32 Attributes for segment 1 in MPU2 SegmentControl.0 register mpuSegment2 Uns32 Attributes for segment 2 in MPU2 SegmentControl.0 register mpuSegment3 Uns32 Attributes for segment 3 in MPU2 SegmentControl.0 register mpuSegment4 Uns32 Attributes for segment 3 in MPU2 SegmentControl.1 register mpuSegment5 Uns32 Attributes for segment 4 in MPU2 SegmentControl.1 register mpuSegment6 Uns32 Attributes for segment 5 in MPU2 SegmentControl.1 register mpuSegment6 Uns32 Attributes for segment 6 in MPU2 SegmentControl.1 register mpuSegment7 Uns32 Attributes for segment 7 in MPU2 SegmentControl.1 register mpuSegment8 Uns32 Attributes for segment 7 in MPU2 SegmentControl.1 register mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl.1 register mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl.2 register	VPE1MaxTC Uns32	
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mpuEnable       Boolean       Enable MPU2 segment control at reset         mpuSegment0       Uns32       Attributes for segment 0 in MPU2 SegmentControl_0 register         mpuSegment1       Uns32       Attributes for segment 1 in MPU2 SegmentControl_0 register         mpuSegment2       Uns32       Attributes for segment 2 in MPU2 SegmentControl_0 register         mpuSegment3       Uns32       Attributes for segment 3 in MPU2 SegmentControl_0 register         mpuSegment4       Uns32       Attributes for segment 4 in MPU2 SegmentControl_1 register         mpuSegment5       Uns32       Attributes for segment 5 in MPU2 SegmentControl_1 register         mpuSegment6       Uns32       Attributes for segment 6 in MPU2 SegmentControl_1 register         mpuSegment7       Uns32       Attributes for segment 7 in MPU2 SegmentControl_1 register         mpuSegment8       Uns32       Attributes for segment 8 in MPU2 SegmentControl_2 register         mpuSegment9       Uns32       Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuRegions Uns32	Number of regions for memory protection unit
mpuEnable       Boolean       Enable MPU2 segment control at reset         mpuSegment0       Uns32       Attributes for segment 0 in MPU2 SegmentControl_0 register         mpuSegment1       Uns32       Attributes for segment 1 in MPU2 SegmentControl_0 register         mpuSegment2       Uns32       Attributes for segment 2 in MPU2 SegmentControl_0 register         mpuSegment3       Uns32       Attributes for segment 3 in MPU2 SegmentControl_0 register         mpuSegment4       Uns32       Attributes for segment 4 in MPU2 SegmentControl_1 register         mpuSegment5       Uns32       Attributes for segment 5 in MPU2 SegmentControl_1 register         mpuSegment6       Uns32       Attributes for segment 6 in MPU2 SegmentControl_1 register         mpuSegment7       Uns32       Attributes for segment 7 in MPU2 SegmentControl_1 register         mpuSegment8       Uns32       Attributes for segment 8 in MPU2 SegmentControl_2 register         mpuSegment9       Uns32       Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuType Uns32	Type of MPU implementation
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mpuSegment2 Uns32 Attributes for segment 2 in MPU2 SegmentControl.0 register  mpuSegment3 Uns32 Attributes for segment 3 in MPU2 SegmentControl.0 register  mpuSegment4 Uns32 Attributes for segment 4 in MPU2 SegmentControl.1 register  mpuSegment5 Uns32 Attributes for segment 5 in MPU2 SegmentControl.1 register  mpuSegment6 Uns32 Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment7 Uns32 Attributes for segment 6 in MPU2 SegmentControl.1 register  mpuSegment8 Uns32 Attributes for segment 7 in MPU2 SegmentControl.1 register  mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl.2 register  mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl.2 register		
mpuSegment2 Uns32 Attributes for segment 2 in MPU2 SegmentControl_0 register  mpuSegment3 Uns32 Attributes for segment 3 in MPU2 SegmentControl_0 register  mpuSegment4 Uns32 Attributes for segment 4 in MPU2 SegmentControl_1 register  mpuSegment5 Uns32 Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6 Uns32 Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7 Uns32 Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuSegment1 Uns32	Attributes for segment 1 in MPU2 SegmentCon-
mpuSegment3 Uns32 Attributes for segment 3 in MPU2 SegmentControl_0 register  mpuSegment4 Uns32 Attributes for segment 4 in MPU2 SegmentControl_1 register  mpuSegment5 Uns32 Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6 Uns32 Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7 Uns32 Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl_1 register  mpuSegment9 Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register		trol_0 register
mpuSegment3  Uns32  Attributes for segment 3 in MPU2 SegmentControl_0 register  mpuSegment4  Uns32  Attributes for segment 4 in MPU2 SegmentControl_1 register  mpuSegment5  Uns32  Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6  Uns32  Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32  Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuSegment2 Uns32	Attributes for segment 2 in MPU2 SegmentCon-
trol_0 register  mpuSegment4  Uns32  Attributes for segment 4 in MPU2 SegmentControl_1 register  mpuSegment5  Uns32  Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6  Uns32  Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32  Attributes for segment 9 in MPU2 SegmentControl_2 register		
mpuSegment4  Uns32 Attributes for segment 4 in MPU2 SegmentControl_1 register  mpuSegment5  Uns32 Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6  Uns32 Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32 Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register	mpuSegment3 Uns32	Attributes for segment 3 in MPU2 SegmentCon-
trol_1 register  mpuSegment5  Uns32  Attributes for segment 5 in MPU2 SegmentControl_1 register  mpuSegment6  Uns32  Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32  Attributes for segment 9 in MPU2 SegmentControl_2 register		
trol_1 register  mpuSegment6  Uns32  Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32  Attributes for segment 9 in MPU2 SegmentControl_2 register		trol_1 register
mpuSegment6  Uns32 Attributes for segment 6 in MPU2 SegmentControl_1 register  mpuSegment7  Uns32 Attributes for segment 7 in MPU2 SegmentControl_1 register  mpuSegment8  Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9  Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuSegment5 Uns32	
trol_1 register  MpuSegment7  Uns32  Attributes for segment 7 in MPU2 SegmentControl_1 register  MpuSegment8  Uns32  Attributes for segment 8 in MPU2 SegmentControl_2 register  MpuSegment9  Uns32  Attributes for segment 9 in MPU2 SegmentControl_2 register	G 40	
mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register	• 0	trol_1 register
mpuSegment8 Uns32 Attributes for segment 8 in MPU2 SegmentControl_2 register  mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuSegment7 Uns32	_ =
mpuSegment9 trol_2 register  Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register		
mpuSegment9 Uns32 Attributes for segment 9 in MPU2 SegmentControl_2 register	mpuSegment8 Uns32	
trol_2 register		trol_2 register
	mpuSegment9 Uns32	
G 410 II 90 A44'l 4 f 410' MDII0 G 4G	C 410 II 20	
mpuSegment10 Uns32 Attributes for segment 10 in MPU2 SegmentControl_2 register	mpuSegment10 Uns32	Attributes for segment 10 in MPU2 SegmentCon-
	mnuCocmont11 IIno22	Attributes for segment 11 in MPU2 SegmentCon-
trol_2 register	mpubegment11 Ulls32	
	mpuSegment12 Ung32	Attributes for segment 12 in MPU2 SegmentCon-
trol_3 register	mpubegment12 UIS32	
	mpuSegment13 Uns?2	Attributes for segment 13 in MPU2 SegmentCon-
trol_3 register	mp 65.08.11010	
	mpuSegment14 Uns32	Attributes for segment 14 in MPU2 SegmentCon-
trol_3 register	mp 455 5 11592	
	mpuSegment15 Uns32	Attributes for segment 15 in MPU2 SegmentCon-
- IIIDU $_{ m SSZ}$ - Attributes for segment 15 in MPH2 Segment Con.		trol_3 register
	mvpconf0vpe Uns32	Override MVPConf0.PVPE

tcDisable	Uns32	Number of disabled TCs
vpeDisable	Uns32	Number of disabled VPEs
mvpconf0tc	Uns32	Override MVPConf0.PTC
mvpconf0pcp	Boolean	Override MVPConf0.PCP
mvpconf0tcp	Boolean	Override MVPConf0.TCP
mvpconf1c1f	Boolean	Override MVPConf.C1F
mvpcontrolPolicyMode	Boolean	Override MVPControl.POLICY_MODE
hasFDC	Uns32	
		Specify the size of Fast Debug Channel register block
licenseWarningDays	Uns32	Specify the number of days before a license expires to start issuing a warning. 0 disables warnings.
MIPS_UHI	Boolean	Enable MIPS-Unified Hosting interface
mipsUhiArgs	String	Specifies UHI arguments string separated by spaces
mipsUhiJail	String	Specifies UHI jailroot
MIPS_DV_MODE	Boolean	Enable Design Verification mode
MIPS_MAGIC_OPCODES	Boolean	Enable MIPS-specific magic Pass/Fail opcodes
enableTrickbox	Boolean	Enable trickbox addresses (specific for AVP)
fpuexcdisable	Boolean	Disable FPU exceptions
TRU_PRESENT	Boolean	Disable or Enable based on TRU presence to con-
TITO I ILESENT	Doolean	trol certain fields (e.x.perfCtl.PCTD
ucLLwordsLocked	Uns32	Numbers of words (4 byte) an uncached LL is lock-
uchlwordshocked	Ulisoz	
THICA	D 1	ing. Maximum: 4K
FUSA	Boolean	Enable Functional Safety
CPC_FAULT_SUPPORTED	Uns32	Specify the value for Functional Safety Supported register
CPC_FAULT_ENABLE	Uns32	Specify the value for Functional Safety Enable reg-
		ister
cop2Bits	Uns32	Specifies width in bits of COP2 registers (32 or 64)
cop2FileName	String	Specifies COP2 dynamically-loaded object (.so/.dll) defining COP2 instructions
udiConfig	Int32	Specifies UDI configuration attribute
udiFileName	String	Specifies UDI dynamically-loaded object (.so/.dll)
		defining UDI instructions
vectoredinterrupt	Boolean	Enables vectored interrupts (sets Config3 VInt)
externalinterrupt	Boolean	Enables the use of an external interrupt controller (sets Config3 VEIC)
rootFixedMMU	Boolean	Override the root MMU type to fixed map-
		ping when true (sets Config.MT=3 and Con-
		fig.KU/K23=2)
rootMMUSizeM1	Uns32	Override the root MMUSizeM1 field in Config1 reg-
10001VIIVI O DIZICIVI I	011302	ister (number of MMU entries-1)
srsctlHSS	Uns32	Override the HSS field in SRSCtl register (number
212011122	Ulisaz	of shadow register sets)
firPS	II29	
	Uns32	Override the PS field in FIR register
firHas2008	Uns32	Override the Has2008 field in FIR register
usePreciseFpu	Uns32	Use the precise Floating Point emulation
simulateLite	Enumeration	Run Simulation with optimization. There are
		several optimizations which coule be combined (NONE, FS, MA or FSMA)
pridCompanyOptions	Uns32	Override the Company Options field in PRId reg-
		ister
pridRevision	Uns32	Override the Revision field in PRId register
globalClusterNum	Uns32	Override the ClusterNum field in GlobalNumber
Sissaiciasiciiiaiii	011502	register
intctlIPTI	Uns32	Override the IPTI field in IntCtl register
intetlIPFDC	Uns32	Override the IPFDC field in IntCtl register
micom rdo	Ulisaz	Override the H LDO heid in infoti fedister.

intctlIPPCI	Uns32	Override the IPPCI field in IntCtl register
numWatch	Uns32	Specify number of WatchLo/WatchHi register pairs
xconfigSpecified	Boolean	True if the configuration comes from a valid xconfig
		file
segcfg0PA	Uns32	Set CFG0.PA field of SegCtl0 register
segcfg1PA	Uns32	Set CFG1.PA field of SegCtl0 register
segcfg2PA	Uns32	Set CFG2.PA field of SegCtl1 register
segcfg3PA	Uns32	Set CFG3.PA field of SegCtl1 register
segcfg4PA	Uns32	Set CFG4.PA field of SegCtl2 register
segcfg5PA	Uns32	Set CFG5.PA field of SegCtl2 register
segcfg0AM	Uns32	Set CFG0.AM field of SegCtl0 register
segcfg1AM	Uns32	Set CFG1.AM field of SegCtl0 register  Set CFG1.AM field of SegCtl0 register
segcfg2AM	Uns32	Set CFG1.AM field of SegCtl0 register  Set CFG2.AM field of SegCtl1 register
segcfg3AM	Uns32	Set CFG3.AM field of SegCtl1 register
segcfg4AM	Uns32	Set CFG4.AM field of SegCtl2 register
segcfg5AM	Uns32	Set CFG5.AM field of SegCtl2 register
segcfg0EU	Uns32	Set CFG0.EU field of SegCtl0 register
segcfg1EU	Uns32	Set CFG1.EU field of SegCtl0 register
segcfg2EU	Uns32	Set CFG2.EU field of SegCtl1 register
segcfg3EU	Uns32	Set CFG3.EU field of SegCtl1 register
segcfg4EU	Uns32	Set CFG4.EU field of SegCtl2 register
segcfg5EU	Uns32	Set CFG5.EU field of SegCtl2 register
segcfg0C	Uns32	Set CFG0.C field of SegCtl0 register
segcfg1C	Uns32	Set CFG1.C field of SegCtl0 register
segcfg2C	Uns32	Set CFG2.C field of SegCtl1 register
segcfg3C	Uns32	Set CFG3.C field of SegCtl1 register
segcfg4C	Uns32	Set CFG4.C field of SegCtl2 register
segcfg5C	Uns32	Set CFG5.C field of SegCtl2 register
cdmmSize	Uns32	Override the cdmmsize reset value
configAR	Uns32	Enables R6 support
configBM	Uns32	Override the BM field in Config register (burst
		mode)
configDSP	Boolean	Override Config.DSP (data scratchpad RAM
		present)
configISP	Boolean	Override Config.ISP (instruction scratchpad RAM
		present)
configK0	Uns32	Override power on value of Config.K0 (set Kseg0
		cacheability)
configKU	Uns32	Override power on value of Config.KU (set Useg
		cacheability)
configK23	Uns32	Override power on value of Config.K23 (set Kseg23
	0 0	cacheability)
configMDU	Boolean	Override Config.MDU (iterative multiply/divide
	Boolean	unit)
configMM	Boolean	Override Config.MM (merging mode for write)
configMT	Uns32	Override Config.MT  Override Config.MT
configSB	Boolean	Override Config.SB (simple bus transfers only)
configBCP	Boolean	Override Config.BCP (Buffer Cache Present)
MIPS16eASE	Boolean	Override Config. CA (enables the MIPS16e ASE)
config1DA	Uns32	Override Config1.CA (enables the MIPS10e ASE)  Override Config1.DA (Deache associativity)
	Uns32	Override Config1.DL (Deache line size)
config1DL		
config1DS	Uns32	Override Config1.DS (Deache sets per way)
config1EP	Boolean	Override Config1.EP (EJTag present)
config1IA	Uns32	Override Config1.IA (Icache associativity)
config1IL	Uns32	Override Config1.IL (Icache line size)
config1IS	Uns32	Override Config1.IS (Icache sets per way)

config1MMUSizeM1	Uns32	Override Config1.MMUSizeM1 (number of MMU
		entries-1)
config1MMUSizeM1_VPE1	Uns32	Override Config1.MMUSizeM1 for VPE1
$config1MMUSizeM1\_VPE2$	Uns32	Override Config1.MMUSizeM1 for VPE2
config1MMUSizeM1_VPE3	Uns32	Override Config1.MMUSizeM1 for VPE3
config1WR	Boolean	Override Config1.WR (watchpoint registers
		present)
config1PC	Boolean	Override Config1.PC (Performance Counters
		present)
config1C2	Boolean	Override Config1.C2 (Coprocessor 2 present)
config2SU	Uns32	Override the SU field in Config2 register
config2SS	Uns32	Override the SS field in Config2 register
config2SL	Uns32	Override the SL field in Config2 register
config2SA	Uns32	Override the SA field in Config2 register
config3BI	Boolean	Override Config3.BI
config3BP	Boolean	Override Config3.BP
config3CDMM	Boolean	Override Config3.CDMM
config3CTXTC	Boolean	Override Config3.CTXTC
config3DSPP	Boolean	Override Config3.DSPP
config3DSP2P	Boolean	Override Config3.DSP2P
config3IPLW	Uns32	Override Config3.IPLW
config3ISA	Uns32	Override Config3.ISA
config3ISAOnExc	Boolean	Override Config3.ISAOnExc
config3ITL	Boolean	Override Config3.ITL
config3LPA	Boolean	Override Config3.LPA
config3MCU	Boolean	Override Config3.MCU
config3MMAR	Uns32	Override Config3.MMAR
config3RXI	Boolean	Override Config3.RXI
config3SC	Boolean	Override Config3.SC
config3ULRI	Boolean	Override Config3.ULRI
config3VZ	Boolean	Override Configs. ULKI Override Configs. VZ
config3MSAP	Boolean	Override Configs. VZ Override Configs. MSAP
config3CMGCR	Boolean	
		Override the CMGCR field in Config3 register
config3SP	Boolean	Override the SP field in Config3 register
config3TL	Uns32	Override the TL field in Config3 register
config3PW	Boolean	Override the PW field in Config3 register
config4AE	Boolean	Override Config4.AE
config4IE	Uns32	Override Config4.IE
config4MMUConfig	Uns32	Override Config4.MMUConfig field (interpretation
C OMMIN IN C	TT 00	depends on MMUExtDef value)
config4MMUExtDef	Uns32	Override Config4.MMUExtDef
config4VTLBSizeExt	Uns32	Override Config4.VTLBSizeExt
config4KScrExist	Uns32	Override Config4.KScrExist
config5EVA	Boolean	Override Config5.EVA
config5LLB	Boolean	Override Config5.LLB (LLAddr supports LLbit)
config5MRP	Boolean	Override Config5.MRP (MaaR Present)
config5NFExists	Boolean	Override Config5.NFExists
mips32Macro	Boolean	Enables the MIPS32 SAVE and RESTORE macro
		instructions. Ignored if Config5.CA2 is not set)
config5MSAEn	Boolean	Override Config5.MSAEn
config5MVH	Boolean	Override Config5.MVH (enable MTHC0 and
		MFHC0 instructions)
config5DEC	Boolean	Override Config5.DEC (to test Dual Endian Capa-
		bility)
config5GI	Uns32	Override Config5.GI (enable GINV)
config5CRCP	Boolean	Override Config5.CRCP (CRCP Present)

config5VP	Boolean	Override Config5.VP
config6FTLBEn	Boolean	Override power on value of Config6.FTLBEn
config7AR	Boolean	Override Config7.AR (Alias removed Data cache)
config7DCIDX_MODE	Uns32	Override Config7.DCIDX_MODE
config7HCI	Boolean	Override Config7.HCI (Hardware Cache Initializa-
comg,1101	Boolean	tion)
config7IAR	Boolean	Override Config7.IAR (Alias removed Instruction
50mg/1111	20010011	cache)
config7WII	Boolean	Override Config7.WII (wait IE/IXMT ignore)
config7ES	Uns32	Override the ES field in Config7 register (External-
comg, Es	011502	ize sync)
config7WR	Boolean	Override Config7[31] bit (Alternative implementa-
comg, wit	Boolean	tion of Watch registers)
config7FPR	Boolean	Override Config7.FPR (one-half FPU clock ratio)
config7USP	Uns32	Override Config7.USP (USPRAM enable)
config7BTLM	Boolean	Override Config7.BTLM bit
config7BusSlp	Boolean	Override Config7.BuSlp bit
config7IVAD	Boolean	Override Config7.IVAD bit
config7RPS	Boolean	Override Config7.RPS bit
config7IAR_CPU0_VPE0	Boolean	Override Config7.IAP bit for CPU0/VPE0
config7IAR_CPU0_VPE0 config7IAR_CPU0_VPE1	Boolean	Override Config7.IAR bit for CPU0/VPE0  Override Config7.IAR bit for CPU0/VPE1
config7IAR_CPU0_VPE1 config7IAR_CPU0_VPE2		
	Boolean	Override Config7.IAR bit for CPU0/VPE2
config7IAR_CPU0_VPE3	Boolean	Override Config7.IAR bit for CPU0/VPE3
config7IAR_CPU1_VPE0	Boolean	Override Config7.IAR bit for CPU1/VPE0
config7IAR_CPU1_VPE1	Boolean	Override Config7.IAR bit for CPU1/VPE1
config7IAR_CPU1_VPE2	Boolean	Override Config7.IAR bit for CPU1/VPE2
config7IAR_CPU1_VPE3	Boolean	Override Config7.IAR bit for CPU1/VPE3
config7IAR_CPU2_VPE0	Boolean	Override Config7.IAR bit for CPU2/VPE0
config7IAR_CPU2_VPE1	Boolean	Override Config7.IAR bit for CPU2/VPE1
config7IAR_CPU2_VPE2	Boolean	Override Config7.IAR bit for CPU2/VPE2
config7IAR_CPU2_VPE3	Boolean	Override Config7.IAR bit for CPU2/VPE3
config7IAR_CPU3_VPE0	Boolean	Override Config7.IAR bit for CPU3/VPE0
config7IAR_CPU3_VPE1	Boolean	Override Config7.IAR bit for CPU3/VPE1
config7IAR_CPU3_VPE2	Boolean	Override Config7.IAR bit for CPU3/VPE2
config7IAR_CPU3_VPE3	Boolean	Override Config7.IAR bit for CPU3/VPE3
config7IAR_CPU4_VPE0	Boolean	Override Config7.IAR bit for CPU4/VPE0
config7IAR_CPU4_VPE1	Boolean	Override Config7.IAR bit for CPU4/VPE1
config7IAR_CPU4_VPE2	Boolean	Override Config7.IAR bit for CPU4/VPE2
config7IAR_CPU4_VPE3	Boolean	Override Config7.IAR bit for CPU4/VPE3
config7IAR_CPU5_VPE0	Boolean	Override Config7.IAR bit for CPU5/VPE0
config7IAR_CPU5_VPE1	Boolean	Override Config7.IAR bit for CPU5/VPE1
config7IAR_CPU5_VPE2	Boolean	Override Config7.IAR bit for CPU5/VPE2
config7IAR_CPU5_VPE3	Boolean	Override Config7.IAR bit for CPU5/VPE3
config7IAR_CPU6_VPE0	Boolean	Override Config7.IAR bit for CPU6/VPE0
config7IAR_CPU6_VPE1	Boolean	Override Config7.IAR bit for CPU6/VPE1
config7IAR_CPU6_VPE2	Boolean	Override Config7.IAR bit for CPU6/VPE2
config7IAR_CPU6_VPE3	Boolean	Override Config7.IAR bit for CPU6/VPE3
config7IAR_CPU7_VPE0	Boolean	Override Config7.IAR bit for CPU7/VPE0
config7IAR_CPU7_VPE1	Boolean	Override Config7.IAR bit for CPU7/VPE1
config7IAR_CPU7_VPE2	Boolean	Override Config7.IAR bit for CPU7/VPE2
config7IAR_CPU7_VPE3	Boolean	Override Config7.IAR bit for CPU7/VPE3
config7IVAD_CPU0_VPE0	Boolean	Override Config7.IVAD bit for CPU0/VPE0
config7IVAD_CPU0_VPE1	Boolean	Override Config7.IVAD bit for CPU0/VPE1
config7IVAD_CPU0_VPE2	Boolean	Override Config7.IVAD bit for CPU0/VPE2
	Doolean	Override Connignivad Dit 101 Cr CU/ vr £2
config7IVAD_CPU0_VPE3	Boolean	Override Config7.IVAD bit for CPU0/VPE3

a water court troops		
config7IVAD_CPU1_VPE1	Boolean	Override Config7.IVAD bit for CPU1/VPE1
config7IVAD_CPU1_VPE2	Boolean	Override Config7.IVAD bit for CPU1/VPE2
config7IVAD_CPU1_VPE3	Boolean	Override Config7.IVAD bit for CPU1/VPE3
config7IVAD_CPU2_VPE0	Boolean	Override Config7.IVAD bit for CPU2/VPE0
config7IVAD_CPU2_VPE1	Boolean	Override Config7.IVAD bit for CPU2/VPE1
config7IVAD_CPU2_VPE2	Boolean	Override Config7.IVAD bit for CPU2/VPE2
config7IVAD_CPU2_VPE3	Boolean	Override Config7.IVAD bit for CPU2/VPE3
config7IVAD_CPU3_VPE0	Boolean	Override Config7.IVAD bit for CPU3/VPE0
config7IVAD_CPU3_VPE1	Boolean	Override Config7.IVAD bit for CPU3/VPE1
config7IVAD_CPU3_VPE2	Boolean	Override Config7.IVAD bit for CPU3/VPE2
config7IVAD_CPU3_VPE3	Boolean	Override Config7.IVAD bit for CPU3/VPE3
config7IVAD_CPU4_VPE0	Boolean	Override Config7.IVAD bit for CPU4/VPE0
config7IVAD_CPU4_VPE1	Boolean	Override Config7.IVAD bit for CPU4/VPE1
config7IVAD_CPU4_VPE2	Boolean	Override Config7.IVAD bit for CPU4/VPE2
config7IVAD_CPU4_VPE3	Boolean	Override Config7.IVAD bit for CPU4/VPE3
config7IVAD_CPU5_VPE0	Boolean	Override Config7.IVAD bit for CPU5/VPE0
config7IVAD_CPU5_VPE1	Boolean	Override Config7.IVAD bit for CPU5/VPE1
config7IVAD_CPU5_VPE2	Boolean	Override Config7.IVAD bit for CPU5/VPE2
config7IVAD_CPU5_VPE3	Boolean	Override Config7.IVAD bit for CPU5/VPE3
config7IVAD_CPU6_VPE0	Boolean	Override Config7.IVAD bit for CPU6/VPE0
config7IVAD_CPU6_VPE1	Boolean	Override Config7.IVAD bit for CPU6/VPE1
config7IVAD_CPU6_VPE2	Boolean	Override Config7.IVAD bit for CPU6/VPE2
config7IVAD_CPU6_VPE3	Boolean	Override Config7.IVAD bit for CPU6/VPE3
config7IVAD_CPU7_VPE0	Boolean	Override Config7.IVAD bit for CPU7/VPE0
config7IVAD_CPU7_VPE1	Boolean	Override Config7.IVAD bit for CPU7/VPE1
config7IVAD_CPU7_VPE2	Boolean	Override Config7.IVAD bit for CPU7/VPE2
config7IVAD_CPU7_VPE3	Boolean	Override Config7.IVAD bit for CPU7/VPE3
config7RPS_CPU0_VPE0	Boolean	Override Config7.RPS bit for CPU0/VPE0
config7RPS_CPU0_VPE1	Boolean	Override Config7.RPS bit for CPU0/VPE1
config7RPS_CPU0_VPE2	Boolean	Override Config7.RPS bit for CPU0/VPE2
config7RPS_CPU0_VPE3	Boolean	Override Config7.RPS bit for CPU0/VPE3
config7RPS_CPU1_VPE0	Boolean	Override Config7.RPS bit for CPU1/VPE0
config7RPS_CPU1_VPE1	Boolean	Override Config7.RPS bit for CPU1/VPE1
config7RPS_CPU1_VPE2	Boolean	Override Config7.RPS bit for CPU1/VPE2
	Boolean	
config7RPS_CPU1_VPE3		Override Config7.RPS bit for CPU1/VPE3
config7RPS_CPU2_VPE0	Boolean	Override Config7.RPS bit for CPU2/VPE0
config7RPS_CPU2_VPE1	Boolean	Override Config7.RPS bit for CPU2/VPE1
config7RPS_CPU2_VPE2	Boolean	Override Config7.RPS bit for CPU2/VPE2
config7RPS_CPU2_VPE3	Boolean	Override Config7.RPS bit for CPU2/VPE3
config7RPS_CPU3_VPE0	Boolean	Override Config7.RPS bit for CPU3/VPE0
config7RPS_CPU3_VPE1	Boolean	Override Config7.RPS bit for CPU3/VPE1
config7RPS_CPU3_VPE2	Boolean	Override Config7.RPS bit for CPU3/VPE2
config7RPS_CPU3_VPE3	Boolean	Override Config7.RPS bit for CPU3/VPE3
config7RPS_CPU4_VPE0	Boolean	Override Config7.RPS bit for CPU4/VPE0
config7RPS_CPU4_VPE1	Boolean	Override Config7.RPS bit for CPU4/VPE1
config7RPS_CPU4_VPE2	Boolean	Override Config7.RPS bit for CPU4/VPE2
config7RPS_CPU4_VPE3	Boolean	Override Config7.RPS bit for CPU4/VPE3
config7RPS_CPU5_VPE0	Boolean	Override Config7.RPS bit for CPU5/VPE0
config7RPS_CPU5_VPE1	Boolean	Override Config7.RPS bit for CPU5/VPE1
config7RPS_CPU5_VPE2	Boolean	Override Config7.RPS bit for CPU5/VPE2
config7RPS_CPU5_VPE3	Boolean	Override Config7.RPS bit for CPU5/VPE3
config7RPS_CPU6_VPE0	Boolean	Override Config7.RPS bit for CPU6/VPE0
config7RPS_CPU6_VPE1	Boolean	Override Config7.RPS bit for CPU6/VPE1
config7RPS_CPU6_VPE2	Boolean	Override Config7.RPS bit for CPU6/VPE2
config7RPS_CPU6_VPE3	Boolean	Override Config7.RPS bit for CPU6/VPE3
config7RPS_CPU7_VPE0	Boolean	Override Config7.RPS bit for CPU7/VPE0
•		•

config7RPS_CPU7_VPE1	Boolean	Override Config7.RPS bit for CPU7/VPE1
config7RPS_CPU7_VPE2	Boolean	Override Config7.RPS bit for CPU7/VPE2
config7RPS_CPU7_VPE3	Boolean	Override Config7.RPS bit for CPU7/VPE3
statusFR	Boolean	Override power on value in Status.FR (Floating
C. A.D.Gooo	D 1	point register mode)
fcsrABS2008	Boolean	Override FCSR.ABS2008 (ABS/NEG compliant
fcsrNAN2008	Boolean	with IEEE 754-2008)  Override FCSR.NAN2008 (QNaN/SNaN encodings
ICSTNAIN2008	Doolean	match IEEE 754-2008 recommendation)
numMaarRegs	Uns32	Override number of MAAR registers (must be even)
srsconf0SRS1	Uns32	Override humber of MAAR registers (must be even)  Override the SRS1 field in SRSConf0 register
srsconf0SRS2	Uns32	Override the SRS1 field in SRSConf0 register  Override the SRS2 field in SRSConf0 register
srsconf0SRS3	Uns32	Override the SRS2 field in SRSConf0 register  Override the SRS3 field in SRSConf0 register
wiredLimit	Uns32	Override Limit field of the Wired register
wiredLimitBits	Uns32	Override Limit field of the Wired register  Override width of Limit field of the Wired register
	Uns32	
wiredWiredBits cdmmBaseCI		Override width of Wired field of the Wired register Override CDMMBase.CI
	Boolean	
parityEnable	Uns32	Specify error detection support: 0 - none; 1 - parity; 2 - ECC
useMpTb	Boolean	Override Use of multi-processor test bench
ExceptionBase	Uns32	Specify the BEV Exception Base address. (use
		GCR_Cx_RESET_BASE on CMP processors)
UseExceptionBase	Boolean	Set to one to use ExceptionBase[29:12] as the cor-
		responding BEV address bits
firstBEVExceptionBaseMaskBit	Uns32	Specify LSB position of
		GCR_Cx_RESET_EXT_BASE.BEVExceptionBaseM
		field. Only used when SegCtl present
EVAReset	Boolean	Set to one to reset into non-legacy address map
		and BEV location. Only used when non-CMP and
		SegCtl present
ExceptionBaseMask	Uns32	Specify the ExceptionBaseMask value used for bits
		[27:firstBEVExceptionBaseMaskBit]. Only used
		when non-CMP and SegCtl present
ExceptionBasePA	Uns32	Bits [35:29] of the physical address for the BEV
		overlays. Only used when non-CMP and SegCtl
11D # 0 1		present
llBufferCache	Boolean	L1 Buffer Cache
GCU_EX	Boolean	CMP system only: GCR custom block present
GIC_EX	Boolean	CMP system only: GIC unit present
CPC_EX	Boolean	CMP system only: CPC unit present
TIMER_ROUTABLE	Boolean	CMP system only: cpu timer interrupt routable within cluster
SWINT_ROUTABLE	Boolean	CMP system only: software interrupt routable
	20010411	within cluster
PERFCNT_ROUTABLE	Boolean	CMP system only: performance counter interrupt
		routable within cluster
FDC_ROUTABLE	Boolean	CMP system only: fast debug channel interrupt
		routable within cluster
GCR_PCORES	Uns32	CMP system only: override
		GCR_CONFIG.PCORES (number of cores-1)
GCR_ADDR_REGIONS	Uns32	CMP system only: override
S STULID DIVING STOTIO	0111002	GCR_CONFIG.ADDR_REGIONS (number of
	1	
		MMI() address regions)
GCR NUMAUX	Uns32	MMIO address regions)  CMP system only: override
GCR_NUMAUX	Uns32	MMIO address regions)  CMP system only: override GCR_CONFIG.NUMAUX (number of auxil-

GCR_BASE	Uns32	CMP system only: override
GCR_DASE	Olisoz	GCR_BASE.GCR_BASE (default GCR regis-
		ter address)
GCR_MINOR_REV	Uns32	CMP system only: override
GOIC_IVIII (OIC_ICE V	0 11502	GCR_REV.MINOR_REV
GCR_MAJOR_REV	Uns32	CMP system only: override
GOILMASOILILEV	011802	GCR_REV.MAJOR_REV
GCR_CACHE_MINOR_REV	Uns32	CMP system only: override
GCR_CACHE_MINOR_REV	Ulisaz	GCR_CACHE_REV.MINOR_REV
GCR_CACHE_MAJOR_REV	Uns32	
GCR_CACHE_MAJOR_REV	Uns32	CMP system only: override GCR_CACHE_REV.MAJOR_REV
GCR_L2_ASSOC	II 20	
GCR_L2_ASSOC	Uns32	CMP system only: override
	** **	GCR_L2_CONFIG.ASSOC
GCR_L2_SET_SIZE	Uns32	CMP system only: override
		GCR_L2_CONFIG.SET_SIZE
GCR_SYS_CONFIG2_MAX_VP_WIDTH	Uns32	CMP system only: override
		GCR_SYS_CONFIG2.MAX_VP_WIDTH
GCR_IOCU1_MINOR_REV	Uns32	CMP system only: override
		GCR_IOCU1_REV.MINOR_REV
GCR_IOCU1_MAJOR_REV	Uns32	CMP system only: override
		GCR_IOCU1_REV.MAJOR_REV
GIC_NUMINTERRUPTS	Uns32	CMP system only: override
		GIC_SH_CONFIG.NUMINTERRUPTS
GIC_COUNTBITS	Uns32	CMP system only: override
		GIC_SH_CONFIG.COUNTBITS
GIC_MINOR_REV	Uns32	CMP system only: override
		GIC_SH_REVISION.MINOR_REV
GIC_MAJOR_REV	Uns32	CMP system only: override
		GIC_SH_REVISION.MAJOR_REV
GIC_NUM_TEAMS	Uns32	CMP system only: override
		GIC_SH_DBG_CONFIG.NUM_TEAMS
GIC_TRIG_RESET	Uns32	CMP system only: Zero value of
		GIC_SH_TRIG_[31_0, 63_32]
GIC_PVPES	Uns32	CMP system only: override
		GIC_SH_CONFIG.PVPE
CPC_MICROSTEP	Uns32	CMP system only: override
		CPC_SEQDEL.MICROSTEP
CPC_RAILDELAY	Uns32	CMP system only: override
		CPC_RAIL.RAILDELAY
CPC_RESETLEN	Uns32	CMP system only: override
		CPC_RESETLEN.RESETLEN
CPC_MINOR_REV	Uns32	CMP system only: override
		CPC_REVISION.MINOR_REV
CPC_MAJOR_REV	Uns32	CMP system only: override
		CPC_REVISION.MAJOR_REV
GIC_SH_GID_CONFIG31_0	Uns32	CMP system only: override
0.0000000000000000000000000000000000000		GIC_SH_GID_CONFIG[31_0]
GIC_SH_GID_CONFIG63_32	Uns32	CMP system only: override
010=011=01B=0 01111000=0 <b>2</b>	011002	GIC_SH_GID_CONFIG[63_32]
GIC_SH_GID_CONFIG95_64	Uns32	CMP system only: override
		GIC_SH_GID_CONFIG[95_64]
GIC_SH_GID_CONFIG127_96	Uns32	CMP system only: override
G10-D11-G1D-00111 1G121-70	011502	GIC_SH_GID_CONFIG[127_96]
GIC_SH_GID_CONFIG159_128	Uns32	CMP system only: override
GIO-DII-GID-CONFIG109-120	011802	GIC_SH_GID_CONFIG[159_128]
GIC_SH_GID_CONFIG191_160	Uns32	CMP system only: override
G10-011-G1D-001111G191-100	011802	GIC_SH_GID_CONFIG[191_160]
		Q10-011-Q1D-00111.Q[191-100]

	112022	CMP greater only
GIC_SH_GID_CONFIG223_192	Uns32	CMP system only: override GIC_SH_GID_CONFIG[223_192]
GIC_SH_GID_CONFIG255_224	Uns32	CMP system only: override
G10_511_G1D_CONF1G255_224	Clis52	GIC_SH_GID_CONFIG[255_224]
GCR_C0_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
	011502	core 0
GCR_C1_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
		core 1
GCR_C2_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
		core 2
GCR_C3_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
		core 3
GCR_C4_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
		core 4
GCR_C5_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
		core 5
GCR_C6_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GGD GE DEGET DAGE		core 6
GCR_C7_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GCR_C8_RESET_BASE	11 00	core 7
GCR_C8_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GCR_C9_RESET_BASE	Uns32	core 8  CMP system only: GCR_CL_RESET_BASE for
GCR_C9_RESET_BASE	Uns32	core 9
GCR_C0_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
GCR-CO-RESET-EAT-DASE	Ulisaz	for core 0
GCR_C1_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
	011592	for core 1
GCR_C2_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 2
GCR_C3_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 3
GCR_C4_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 4
GCR_C5_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 5
GCR_C6_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 6
GCR_C7_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
CCD CO DECEMENT DACE	11 00	for core 7
GCR_C8_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE for core 8
GCR_C9_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
GCR_C9_RESET_EXT_DASE	Ulisaz	for core 9
CPC_C0_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 0
CPC_C1_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 1
CPC_C2_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 2
CPC_C3_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 3
CPC_C4_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 4
CPC_C5_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 5
CPC_C6_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 6
CPC_C7_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 7
CPC_C8_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 8
CPC_C9_VP_EN	Uns32	CMP system only: CPC_VP_EN for core 9
EIC_OPTION	Uns32	Override the external interrupt controller
		EIC_OPTION

guestCtl0RI	Uns32	Override the RI field in GuestCtl0 register
guestCtl0MC	Uns32	Override the MC field in GuestCtl0 register
guestCtl0CP0	Uns32	Override the CP0 field in GuestCtl0 register
guestCtl0AT	Uns32	Override the AT field in GuestCtl0 register
guestCtl0GT	Uns32	Override the GT field in GuestCtl0 register
guestCtl0CG	Uns32	Override the CG field in GuestCtl0 register
guestCtl0CF	Uns32	Override the CF field in GuestCtl0 register
guestCtl0G1	Uns32	Override the G1 field in GuestCtl0 register
guestCtl0RAD	Uns32	Override the RAD field in GuestCtl0 register
guestCtl0DRG	Uns32	Override the DRG field in GuestCtl0 register
hasImpl17	Boolean	Enable read/write of Impl17 bit in Status register
hasImpl16	Boolean	Enable read/write of Impl16 bit in Status register
guestintctlIPTI	Uns32	Override the Guest IPTI field in IntCtl register
guestintctlIPFDC	Uns32	Override the Guest IPFDC field in IntCtl register
guestintctlIPPCI	Uns32	Override the Guest IPPCI field in IntCtl register
ISPRAM_SIZE	Uns32	Encoded size of the ISPRAM region
		(log2( <ispram bytes="" in="" size="">) - 11)</ispram>
ISPRAM_BASE	Uns64	Starting physical address of the ISPRAM region
ISPRAM_ENABLE	Boolean	Set the enable bit of the ISPRAM region's tag (used
		to enable the ISPRAM region prior to reset)
ISPRAM_FILE	String	Load a MIPS hex file into the ISPRAM region prior
		to reset
DSPRAM_SIZE	Uns32	Encoded size of the DSPRAM region
		$(\log 2(< DSPRAM \text{ size in bytes}) - 11)$
DSPRAM_BASE	Uns64	Starting physical address of the DSPRAM region
DSPRAM_ENABLE	Boolean	Set the enable bit of the DSPRAM region's tag
		(used to enable the DSPRAM region prior to re-
		set)
DSPRAM_PRESENT	Boolean	DSPRAM is present with SAAR
USPRAM_SIZE	Uns32	Encoded size of the USPRAM region
		$(\log 2(\langle \text{USPRAM size in bytes} \rangle) - 11)$
USPRAM_BASE	Uns64	Starting physical address of the USPRAM region
USPRAM_ENABLE	Boolean	Set the enable bit of the USPRAM region's tag
		(used to enable the USPRAM region prior to re-
		set)
USPRAM_FILE	String	Load a MIPS hex file into the USPRAM region
		prior to reset
misaligned Data Exception	Enumeration	Select misaligned data access exception signaling:
		never, checkCCA or always (never, checkCCA or
		always)
commitTlbwErr	Boolean	Commit TLBWI/TLBRI on ECC; in
		MIPS_DV_MODE only

Table 8.2: Parameters that can be set in: CPU

# **Execution Modes**

Mode	Code
KERNEL	0
DEBUG	1
SUPERVISOR	2
USER	3

Table 9.1: Modes implemented in: CMP

Mode	Code
KERNEL	0
DEBUG	1
SUPERVISOR	2
USER	3
GUEST_KERNEL	4
GUEST_SUPERVISOR	5
GUEST_USER	6

Table 9.2: Modes implemented in: CPU

# Exceptions

Exception         Code           Int         0           Mod         1           TLBL         2           TLBS         3           AdEL         4           AdES         5           IBE         6           DBE         7           Sys         8           Bp         9           RI         10           CpU         11           Ov         12           Tr         13           MSAFPE         14           FPE         15           Impl1         16           Impl2         17           C2E         18           TLBRI         19           TLBXI         20           MSADis         21           MDMX         22           WATCH         23           MCheck         24           Thread         25           DSPDis         26           GE         27           Prot         29           CacheErr         30		
Mod         1           TLBL         2           TLBS         3           AdEL         4           AdES         5           IBE         6           DBE         7           Sys         8           Bp         9           RI         10           CpU         11           Ov         12           Tr         13           MSAFPE         14           FPE         15           Impl1         16           Impl2         17           C2E         18           TLBRI         19           TLBXI         20           MSADis         21           MDMX         22           WATCH         23           MCheck         24           Thread         25           DSPDis         26           GE         27           Prot         29		
TLBL       2         TLBS       3         AdEL       4         AdES       5         IBE       6         DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	Int	0
TLBS       3         AdEL       4         AdES       5         IBE       6         DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		
AdEL       4         AdES       5         IBE       6         DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		
AdES       5         IBE       6         DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	TLBS	3
IBE       6         DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		4
DBE       7         Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		1
Sys       8         Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	IBE	_
Bp       9         RI       10         CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	DBE	7
RI 10 CpU 11 Ov 12 Tr 13 MSAFPE 14 FPE 15 Impl1 16 Impl2 17 C2E 18 TLBRI 19 TLBXI 20 MSADis 21 MDMX 22 WATCH 23 MCheck 24 Thread 25 DSPDis 26 GE 27 Prot 29	Sys	8
CpU       11         Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	Bp	9
Ov       12         Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		10
Tr       13         MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		1
MSAFPE       14         FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	Ov	12
FPE       15         Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		13
Impl1       16         Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	MSAFPE	14
Impl2       17         C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	FPE	15
C2E       18         TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	Impl1	16
TLBRI       19         TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29		
TLBXI       20         MSADis       21         MDMX       22         WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	C2E	18
MSADis         21           MDMX         22           WATCH         23           MCheck         24           Thread         25           DSPDis         26           GE         27           Prot         29	TLBRI	19
MDMX         22           WATCH         23           MCheck         24           Thread         25           DSPDis         26           GE         27           Prot         29	TLBXI	20
WATCH       23         MCheck       24         Thread       25         DSPDis       26         GE       27         Prot       29	MSADis	21
MCheck         24           Thread         25           DSPDis         26           GE         27           Prot         29	MDMX	22
Thread         25           DSPDis         26           GE         27           Prot         29	WATCH	23
DSPDis         26           GE         27           Prot         29	MCheck	24
GE 27 Prot 29	Thread	25
Prot 29		
Prot 29	GE	27
CacheErr 30	Prot	
	CacheErr	30

Table 10.1: Exceptions implemented in: CMP  $\,$ 

Exception	Code
Int	0
Mod	1
TLBL	2
TLBS	3
AdEL	4
AdES	5
IBE	6
DBE	7
Sys	8
Вр	9
RI	10
CpU	11
Ov	12
Tr	13
MSAFPE	14
FPE	15
Impl1	16
Impl2	17
C2E	18
TLBRI	19
TLBXI	20
MSADis	21
MDMX	22
WATCH	23
MCheck	24
Thread	25
DSPDis	26
GE	27
Prot	29
CacheErr	30

Table 10.2: Exceptions implemented in: CPU

## Hierarchy of the model

A CPU core may be configured to instance many processors of a Symmetrical Multi Processor (SMP). A CPU core may also have sub elements within a processor, for example hardware threading blocks.

OVP processor models can be written to include SMP blocks and to have many levels of hierarchy. Some OVP CPU models may have a fixed hierarchy, and some may be configured by settings in a configuration register. Please see the register definitions of this model.

This model documentation shows the settings and hierarchy of the default settings for this model variant.

#### 11.1 Level 1: CMP

This level in the model hierarchy has 2 commands. This level in the model hierarchy has no register groups. This level in the model hierarchy has 4 children: CPU0, CPU1, CPU2 and CPU3.

#### 11.2 Level 2: CPU

This level in the model hierarchy has 20 commands. This level in the model hierarchy has 11 register groups:

Group name	Registers
Core	65
FPU	34
DSP	9
Shadow	64
COP0	154
SPRAM	5
MSA	40
CMP_GCR	46
CMP_CPC	11
CMP_GIC	1002
Integration_support	1

Table 11.1: Register groups

This level in the model hierarchy has no children.

## **Model Commands**

A Processor model can implement one or more **Model Commands** available to be invoked from the simulator command line, from the OP API or from the Imperas Multiprocessor Debugger.

### 12.1 Level 1: CMP

#### 12.1.1 isync

specify instruction address range for synchronous execution

Argument	Type	Description
-addresshi	Uns64	end address of synchronous execution range
-addresslo	Uns64	start address of synchronous execution range

Table 12.1: isync command arguments

#### 12.1.2 itrace

enable or disable instruction tracing

Argument	Type	Description
-after	Uns64	apply after this many instructions
-enable	Boolean	enable instruction tracing
-instructioncount	Boolean	include the instruction number in each trace
-off	Boolean	disable instruction tracing
-on	Boolean	enable instruction tracing
-registerchange	Boolean	show registers changed by this instruction
-registers	Boolean	show registers after each trace

Table 12.2: itrace command arguments

### 12.2 Level 2: CPU

#### 12.2.1 isync

specify instruction address range for synchronous execution

Argument	Type	Description
-addresshi	Uns64	end address of synchronous execution range
-addresslo	Uns64	start address of synchronous execution range

Table 12.3: isync command arguments

#### 12.2.2 itrace

enable or disable instruction tracing

Argument	Type	Description
-after	Uns64	apply after this many instructions
-enable	Boolean	enable instruction tracing
-instructioncount	Boolean	include the instruction number in each trace
-off	Boolean	disable instruction tracing
-on	Boolean	enable instruction tracing
-registerchange	Boolean	show registers changed by this instruction
-registers	Boolean	show registers after each trace

Table 12.4: itrace command arguments

#### 12.2.3 mipsCOP0

query a COP0 register value using <register><select>

Argument	Type	Description
-register	Uns32	specify the COP0 register resource
-select	Uns32	specify the COP0 register select

Table 12.5: mipsCOP0 command arguments

#### 12.2.4 mipsCacheDisable

#### 12.2.4.1 Argument description

Disables tag or full cache model

#### 12.2.5 mipsCacheEnable

enable tag or full cache model

Argument	Type	Description
-debug	Int32	set cache model debug flags
-full	Boolean	enable full cache model
-tag	Boolean	enable cache tag line only model

Table 12.6: mipsCacheEnable command arguments

#### 12.2.6 mipsCacheRatio

Report current hit ratio for selected cache

Argument Type		Description
-dcache	Boolean	report hit ratio for dcache
-icache	Boolean	report hit ratio for icache

Table 12.7: mipsCacheRatio command arguments

#### 12.2.7 mipsCacheReport

#### 12.2.7.1 Argument description

Report current cache statistics

#### 12.2.8 mipsCacheReset

#### 12.2.8.1 Argument description

reset the cache model

#### 12.2.9 mipsCacheTrace

Control the tracing of cache accesses

Argument	Type	Description
-noartifact	Boolean	
-nocached	Boolean	
-nodcache	Boolean	
-noicache	Boolean	
-notrue	Boolean	
-nouncached	Boolean	
-off	Boolean	turn off the cache tracing
-on	Boolean	turn on the cache tracing

Table 12.8: mipsCacheTrace command arguments

#### 12.2.10 mipsDebugFlags

Set the mips model debug value

Argument	Type	Description
-value	Uns32	specify mips model debug flags

Table 12.9: mipsDebugFlags command arguments

#### 12.2.11 mipsReadRegister

Read processor register using <resource><offset>

Argument	Type	Description
-offset	Uns32	the register offset
-resource	Uns32	the register resource

Table 12.10: mipsReadRegister command arguments

#### 12.2.12 mipsReadTLBEntry

read a TLB entry specified by the index

Argument	Type	Description
-index	Uns64	select the TLB entry

Table 12.11: mipsReadTLBEntry command arguments

#### 12.2.13 mipsTLBDump

#### 12.2.13.1 Argument description

Dumps the current contents of the TLB

#### 12.2.14 mipsTLBDumpGuest

#### 12.2.14.1 Argument description

Dumps the current contents of the Guest TLB

#### 12.2.15 mipsTLBDumpRoot

#### 12.2.15.1 Argument description

Dumps the current contents of the Root TLB

#### 12.2.16 mipsTLBGetPhys

Reports the entry(s) in the TLB that match the given virtual address and ASID

Argument	Type	Description
-asid	Uns64	ASID
-va	Uns64	virtual address

Table 12.12: mipsTLBGetPhys command arguments

#### 12.2.17 mipsTraceGuest

control tracing of guest

Argument	Type	Description
-off	Boolean	stop tracing
-on	Boolean	start tracing

Table 12.13: mipsTraceGuest command arguments

#### 12.2.18 mipsTraceRoot

control tracing on root processor

Argument	Type	Description
-off	Boolean	stop tracing
-on	Boolean	start tracing

Table 12.14: mipsTraceRoot command arguments

#### 12.2.19 mipsWriteRegister

Write processor register using <resource><offset><value>

Argument	Type	Description
-offset	Uns32	the register offset
-resource	Uns32	the register resource
-value	Uns64	the value to write to register

Table 12.15: mipsWriteRegister command arguments

#### 12.2.20 mipsWriteTLBEntry

Writes values to a TLB entry using the index, lo0, lo1, hi0 and mask fields

Argument	Type	Description
-hi0	Uns64	the TLB entry high address
-index	Uns64	the TLB entry index
-lo0	Uns64	the TLB entry low address 0
-lo1	Uns64	the TLB entry low address 1
-mask	Uns64	the TLB entry mask

Table 12.16: mipsWriteTLBEntry command arguments

# Registers

## 13.1 Level 1: CMP

No registers.

13.2 Level 2: CPU

#### 13.2.1 Core

Registers at level:2, type:CPU group:Core

Name	Bits	Initial-Hex	RW	Description
zero	32	0	r-	constant zero
at	32	0	rw	
v0	32	0	rw	
v1	32	0	rw	
a0	32	0	rw	
a1	32	0	rw	
a2	32	0	rw	
a3	32	0	rw	
t0	32	0	rw	
t1	32	0	rw	
t2	32	0	rw	
t3	32	0	rw	
t4	32	0	rw	
t5	32	0	rw	
t6	32	0	rw	
t7	32	0	rw	
s0	32	0	rw	
s1	32	0	rw	
s2	32	0	rw	
s3	32	0	rw	
s4	32	0	rw	
s5	32	0	rw	
s6	32	0	rw	
s7	32	0	rw	
t8	32	0	rw	
t9	32	0	rw	
k0	32	0	rw	
k1	32	0	rw	

gp	32	0	rw					
sp	32	0	rw	stack pointer				
s8	32	0	rw	frame pointer				
ra	32	0	rw					
pc	32	bfc00000	rw	program counter				
r0	32	0	r-	constant zero				
r1	32	0	rw					
r2	32	0	rw					
r3	32	0	rw					
r4	32	0	rw					
r5	32	0	rw					
r6	32	0	rw					
r7	32	0	rw					
r8	32	0	rw					
r9	32	0	rw					
r10	32	0	rw					
r11	32	0	rw					
r12	32	0	rw					
r13	32	0	rw					
r14	32	0	rw					
r15	32	0	rw					
r16	32	0	rw					
r17	32	0	rw					
r18	32	0	rw					
r19	32	0	rw					
r20	32	0	rw					
r21	32	0	rw					
r22	32	0	rw					
r23	32	0	rw					
r24	32	0	rw					
r25	32	0	rw					
r26	32	0	rw					
r27	32	0	rw					
r28	32	0	rw					
r29	32	0	rw	stack pointer				
r30	32	0	rw	frame pointer				
r31	32	0	rw					

Table 13.1: Registers at level 2, type:CPU group:Core

#### 13.2.2 FPU

Registers at level:2, type:CPU group:FPU

Name	Bits	Initial-Hex	RW	Description
f0	32	0	rw	
f1	32	0	rw	
f2	32	0	rw	
f3	32	0	rw	
f4	32	0	rw	
f5	32	0	rw	
f6	32	0	rw	
f7	32	0	rw	
f8	32	0	rw	
f9	32	0	rw	
f10	32	0	rw	

f11	32	0	rw	
f12	32	0	rw	
f13	32	0	rw	
f14	32	0	rw	
f15	32	0	rw	
f16	32	0	rw	
f17	32	0	rw	
f18	32	0	rw	
f19	32	0	rw	
f20	32	0	rw	
f21	32	0	rw	
f22	32	0	rw	
f23	32	0	rw	
f24	32	0	rw	
f25	32	0	rw	
f26	32	0	rw	
f27	32	0	rw	
f28	32	0	rw	
f29	32	0	rw	
f30	32	0	rw	
f31	32	0	rw	
fsr	32	c0000	rw	floating point status
fir	32	30f30320	r-	floating point information

Table 13.2: Registers at level 2, type:CPU group:FPU

#### 13.2.3 DSP

Registers at level:2, type:CPU group:DSP

Name	Bits	Initial-Hex	RW	Description
lo	32	0	rw	
hi	32	0	rw	
lo1	32	0	rw	
hi1	32	0	rw	
lo2	32	0	rw	
hi2	32	0	rw	
lo3	32	0	rw	
hi3	32	0	rw	
dspctl	32	0	rw	DSP control

Table 13.3: Registers at level 2, type:CPU group:DSP

#### 13.2.4 Shadow

Registers at level:2, type:CPU group:Shadow

Name	Bits	Initial-Hex	RW	Description	
zero[0]	32	0	r-	constant zero	
at[0]	32	0	rw		
v0[0]	32	0	rw		
v1[0]	32	0	rw		
a0[0]	32	0	rw		
a1[0]	32	0	rw		
a2[0]	32	0	rw		

a3[0]	32	0	rw	
t0[0]	32	0	rw	
t1[0]	32	0	rw	
t2[0]	32	0	rw	
t3[0]	32	0	rw	
t4[0]	32	0	rw	
t5[0]	32	0	rw	
t6[0]	32	0	rw	
t7[0]	32	0	rw	
s0[0]	32	0		
s1[0]	32	0	rw	
s1[0] s2[0]	32		rw	
		0	rw	
s3[0]	32	0	rw	
s4[0]	32	0	rw	
s5[0]	32	0	rw	
s6[0]	32	0	rw	
s7[0]	32	0	rw	
t8[0]	32	0	rw	
t9[0]	32	0	rw	
k0[0]	32	0	rw	
k1[0]	32	0	rw	
gp[0]	32	0	rw	
sp[0]	32	0	rw	stack pointer
s8[0]	32	0	rw	frame pointer
ra[0]	32	0	rw	
r0[0]	32	0	r-	constant zero
r1[0]	32	0	rw	
r2[0]	32	0	rw	
r3[0]	32	0	rw	
r4[0]	32	0	rw	
r5[0]	32	0	rw	
r6[0]	32	0	rw	
r7[0]	32	0	rw	
r8[0]	32	0	rw	
r9[0]	32	0	rw	
r10[0]	32	0	rw	
r11[0]	32	0	rw	
r12[0]	32	0	rw	
r13[0]	32	0	rw	
r14[0]	32	0	rw	
r15[0]	32	0	rw	
r16[0]	32	0	rw	
r17[0]	32	0	rw	
r18[0]	32	0		
r19[0]	32	0	rw	
r20[0]	32	0	rw	
r20[0]	32	0	rw	
	32	0	rw	
r22[0]	32	0	rw	
r23[0]			rw	
r24[0]	32	0	rw	
r25[0]	32	0	rw	
r26[0]	32	0	rw	
r27[0]	32	0	rw	
r28[0]	32	0	rw	
r29[0]	32	0	rw	stack pointer
1 220101	32	0	rw	frame pointer
r30[0]				

- 1	[0] 1:0	20	0		
	r31[0]	32	1 ()	rw	
	101 0	0-	0	1 ***	

Table 13.4: Registers at level 2, type:CPU group:Shadow

#### 13.2.5 COP0

Registers at level:2, type:CPU group:COP0

Name	Bits	Initial-Hex	RW	Description
sr	32	400004	rw	CP0 register 12/0 (status)
bad	64	0	rw	CP0 register 8/0 (badvaddr)
cause	32	0	rw	CP0 register 13/0 (cause)
index	32	0	rw	CP0 register 0/0
random	32	0	rw	CP0 register 1/0
entrylo0	64	0	rw	CP0 register 2/0
entrylo1	64	0	rw	CP0 register 3/0
context	32	0	rw	CP0 register 4/0
contextconfig	32	7ffff0	rw	CP0 register 4/1
userlocal	32	0	rw	CP0 register 4/2
pagemask	32	0	rw	CP0 register 5/0
pagegrain	32	0	rw	CP0 register 5/1
segctl0	32	200010	rw	CP0 register 5/2
segctl1	32	30002	rw	CP0 register 5/3
segctl2	32	380438	rw	CP0 register 5/4
pwbase	32	0	rw	CP0 register 5/5
pwfield	32	c30c302	rw	CP0 register 5/6
pwsize	32	40		CP0 register 5/7
wired	32	0	rw	CP0 register 6/0
pwctl	32	0	rw	CP0 register 6/6
	32	0	rw	CP0 register 7/0
hwrena		-	rw	CP0 register 7/0 CP0 register 8/0
badvaddr	64	0	rw	
badinstr	32	-	rw	CP0 register 8/1 CP0 register 8/2
badinstrp	32	0	rw	
count		0	rw	CP0 register 9/0
entryhi	64 32	0	rw	CP0 register 10/0
guestctl1		0	rw	CP0 register 10/4
guestctl2	32	0	rw	CP0 register 10/5
guestctl3	32	0	rw	CP0 register 10/6
compare	32	0	rw	CP0 register 11/0
guestctl0ext	32	40	rw	CP0 register 11/4
status	32	400004	rw	CP0 register 12/0
intctl	32	ff800000	rw	CP0 register 12/1
srsctl	32	0	rw	CP0 register 12/2
srsmap	32	0	rw	CP0 register 12/3
guestctl0	32	c4c00fc	rw	CP0 register 12/6
gtoffset	32	0	rw	CP0 register 12/7
epc	32	0	rw	CP0 register 14/0
prid	32	1a800	rw	CP0 register 15/0
ebase	32	80000000	rw	CP0 register 15/1
cdmmbase	32	0	rw	CP0 register 15/2
cmgcrbase	32	1fbf800	rw	CP0 register 15/3
config	32	80048482	rw	CP0 register 16/0
config1	32	fea35193	rw	CP0 register 16/1
config2	32	80000000	rw	CP0 register 16/2
config3	32	bf8032a8	rw	CP0 register 16/3
config4	32	c01c0000	rw	CP0 register 16/4

C =	00	10000000		CIDO : 10/F
config5	32	10000038	rw	CP0 register 16/5
config6	32	0	rw	CP0 register 16/6
config7	32	80054c20	rw	CP0 register 16/7
lladdr	64	0	rw	CP0 register 17/0
maar	32	0	rw	CP0 register 17/1
maari	32	0	rw	CP0 register 17/2
debug	32	2030000	rw	CP0 register 23/0
depc	32	0	rw	CP0 register 24/0
perfctl0	32	80000000	rw	CP0 register $25/0$
perfcnt0	32	0	rw	CP0 register 25/1
perfctl1	32	80000000	rw	CP0 register 25/2
perfcnt1	32	0	rw	CP0 register 25/3
perfctl2	32	80000000	rw	CP0 register 25/4
perfcnt2	32	0	rw	CP0 register 25/5
perfctl3	32	0	rw	CP0 register 25/6
perfcnt3	32	0	rw	CP0 register 25/7
errctl	32	0	rw	CP0 register 26/0
itaglo	64	0	rw	CP0 register 28/0
idatalo	32	0	rw	CP0 register 28/1
dtaglo	64	0	rw	CP0 register 28/2
ddatalo	32	0	rw	CP0 register 28/3
l23taglo	64	0	rw	CP0 register 28/4
l23datalo	32	0	rw	CP0 register 28/5
itaghi	32	0	rw	CP0 register 29/0
idatahi	32	0	rw	CP0 register 29/1
l23datahi	32	0	rw	CP0 register 29/5
	32	0		CP0 register 30/0
errorepc desave	32	0	rw	CP0 register 31/0
kscratch1	32	0	rw	CP0 register 31/2
		-	rw	9 /
kscratch2 kscratch3	32	0	rw	CP0 register 31/3
		0	rw	CP0 register 31/4
guestindex	32	0	rw	CP0 guest register 0/0
guestrandom	32	0	rw	CP0 guest register 1/0
guestentrylo0	64	0	rw	CP0 guest register 2/0
guestentrylo1	64	0	rw	CP0 guest register 3/0
guestcontext	32	0	rw	CP0 guest register 4/0
guestcontextconfig	32	7ffff0	rw	CP0 guest register 4/1
guestuserlocal	32	0	rw	CP0 guest register 4/2
guestpagemask	32	0	rw	CP0 guest register 5/0
guestpagegrain	32	0	rw	CP0 guest register 5/1
guestsegctl0	32	200010	rw	CP0 guest register 5/2
guestsegctl1	32	30002	rw	CP0 guest register 5/3
guestsegctl2	32	380438	rw	CP0 guest register 5/4
guestpwbase	32	0	rw	CP0 guest register 5/5
guestpwfield	32	c30c302	rw	CP0 guest register 5/6
guestpwsize	32	40	rw	CP0 guest register 5/7
guestwired	32	0	rw	CP0 guest register 6/0
guestpwctl	32	0	rw	CP0 guest register 6/6
guesthwrena	32	0	rw	CP0 guest register 7/0
guestbadvaddr	64	0	rw	CP0 guest register 8/0
guestbadinstr	32	0	rw	CP0 guest register 8/1
guestbadinstrp	32	0	rw	CP0 guest register 8/2
guestcount	32	0	rw	CP0 guest register 9/0
guestentryhi	64	0	rw	CP0 guest register 10/0
guestguestctl1	32	0	rw	CP0 guest register 10/4
guestguestctl2	32	0		CP0 guest register 10/4 CP0 guest register 10/5
guesiguesittii2	92	_ <u></u>	rw	Of a green regioner 10/a

guestguestctl3	32	0	rw	CP0 guest register 10/6
guestcompare	32	0	rw	CP0 guest register 11/0
guestguestctl0ext	32	0	rw	CP0 guest register 11/4
gueststatus	32	400004	rw	CP0 guest register 12/0
guestintctl	32	fc000000	rw	CP0 guest register 12/1
guestsrsctl	32	0	rw	CP0 guest register 12/2
guestsrsmap	32	0	rw	CP0 guest register 12/3
guestguestctl0	32	0	rw	CP0 guest register 12/6
guestgtoffset	32	0	rw	CP0 guest register 12/7
guestcause	32	0	rw	CP0 guest register 13/0
guestepc	32	0	rw	CP0 guest register 14/0
guesterid	32	0	rw	CP0 guest register 15/0
guestebase	32	80000000	rw	CP0 guest register 15/1
guestcdmmbase	32	0	rw	CP0 guest register 15/2
	32	0	_	CP0 guest register 15/3
guestcmgcrbase guestconfig	32	80048482	rw	CP0 guest register 15/3 CP0 guest register 16/0
guestconfig1	32	fea35191	rw	CP0 guest register 16/1
guestconfig2	32	80007000	rw	CP0 guest register 16/2
guestconfig3	32	9f003220	rw	/
	32	c01c0000	rw	CP0 guest register 16/3
guestconfig4	32		rw	CP0 guest register 16/4
guestconfig5		10000038	rw	CP0 guest register 16/5
guestconfig6	32	0	rw	CP0 guest register 16/6
guestconfig7	32	0	rw	CP0 guest register 16/7
guestlladdr	64	0	rw	CP0 guest register 17/0
guestmaar	32	0	rw	CP0 guest register 17/1
guestmaari	32	0	rw	CP0 guest register 17/2
guestdebug	32	0	rw	CP0 guest register 23/0
guestdepc	32	0	rw	CP0 guest register 24/0
guestperfctl0	32	80000000	rw	CP0 guest register 25/0
guestperfcnt0	32	0	rw	CP0 guest register 25/1
guestperfctl1	32	80000000	rw	CP0 guest register 25/2
guestperfcnt1	32	0	rw	CP0 guest register 25/3
guestperfctl2	32	80000000	rw	CP0 guest register 25/4
guestperfcnt2	32	0	rw	CP0 guest register 25/5
guestperfctl3	32	0	rw	CP0 guest register 25/6
guestperfcnt3	32	0	rw	CP0 guest register 25/7
guesterrctl	32	0	rw	CP0 guest register 26/0
guestitaglo	64	0	rw	CP0 guest register 28/0
guestidatalo	32	0	rw	CP0 guest register 28/1
guestdtaglo	64	0	rw	CP0 guest register 28/2
guestddatalo	32	0	rw	CP0 guest register 28/3
guestl23taglo	64	0	rw	CP0 guest register 28/4
guestl23datalo	32	0	rw	CP0 guest register 28/5
guestitaghi	32	0	rw	CP0 guest register 29/0
guestidatahi	32	0	rw	CP0 guest register 29/1
guestl23datahi	32	0	rw	CP0 guest register 29/5
guesterrorepc	32	0	rw	CP0 guest register 30/0
guestdesave	32	0	rw	CP0 guest register 31/0
guestkscratch1	32	0	rw	CP0 guest register 31/2
guestkscratch2	32	0	rw	CP0 guest register 31/3
guestkscratch3	32	0	rw	CP0 guest register 31/4

Table 13.5: Registers at level 2, type:CPU group:COP0  $\,$ 

#### 13.2.6 SPRAM

Registers at level:2, type:CPU group:SPRAM

Name	Bits	Initial-Hex	RW	Description
USPRAM_ENABLE	8	0	rw	
USPRAM_SIZE	8	0	rw	
USPRAM_BASE	64	0	rw	
USPRAM_FILE	64	-	-w	
USPRAM_WRITE	32	-	-w	

Table 13.6: Registers at level 2, type:CPU group:SPRAM

#### 13.2.7 MSA

Registers at level:2, type:CPU group:MSA

Name	Bits	Initial-Hex	RW	Description
w0	128	-	rw	
w1	128	-	rw	
w2	128	-	rw	
w3	128	-	rw	
w4	128	-	rw	
w5	128	-	rw	
w6	128	-	rw	
w7	128	-	rw	
w8	128	-	rw	
w9	128	-	rw	
w10	128	-	rw	
w11	128	-	rw	
w12	128	-	rw	
w13	128	-	rw	
w14	128	-	rw	
w15	128	-	rw	
w16	128	-	rw	
w17	128	-	rw	
w18	128	-	rw	
w19	128	-	rw	
w20	128	-	rw	
w21	128	-	rw	
w22	128	-	rw	
w23	128	-	rw	
w24	128	-	rw	
w25	128	-	rw	
w26	128	-	rw	
w27	128	-	rw	
w28	128	-	rw	
w29	128	-	rw	
w30	128	-	rw	
w31	128	-	rw	
msair	32	320	r-	MSA implementation
msacsr	32	0	rw	MSA control and status
msaaccess	32	-	r-	MSA access
msasave	32	-	r-	MSA save
msamodify	32	-	r-	MSA modify
msarequest	32	-	r-	MSA request

msamap	32	-	r-	MSA map
msaunmap	32	=	r-	MSA unmap

Table 13.7: Registers at level 2, type:CPU group:MSA

### 13.2.8 CMP\_GCR

Registers at level:2, type:CPU group:CMP\_GCR

Name	Bits	Initial-Hex	RW	Description
GCR_CONFIG	32	3	r-	_
GCR_BASE	32	1fbf8000	rw	
GCR_BASE_UPPER	32	0	rw	
GCR_CONTROL	32	1	rw	
GCR_ACCESS	32	ff	rw	
GCR_REV	32	0	r-	
GCR_ERROR_MASK	32	0	rw	
GCR_ERROR_CAUSE	32	0	rw	
GCR_ERROR_ADDR	32	0	rw	
GCR_ERROR_ADDR_UPPER	32	0	rw	
GCR_ERROR_MULT	32	0	rw	
GCR_CUSTOM_BASE	32	0	rw	
GCR_CUSTOM_BASE_UPPER	32	0	rw	
GCR_CUSTOM_STATUS	32	0	r-	
GCR_GIC_BASE	32	0	rw	
GCR_GIC_BASE_UPPER	32	0	rw	
GCR_CPC_BASE	32	0	rw	
GCR_CPC_BASE_UPPER	32	0	rw	
GCR_GIC_STATUS	32	1	r-	
GCR_CACHE_REV	32	0	r-	
GCR_CPC_STATUS	32	1	r-	
GCR_L2_CONFIG	32	0	rw	
GCR_SYS_CONFIG2	32	0	r-	
GCR_IOCU1_REV	32	0	r-	
GCR_L2_RAM_CONFIG	32	0	r-	
GCR_L2_TAG_ADDR	32	0	rw	
GCR_L2_TAG_STATE	32	0	rw	
GCR_L2_TAG_STATE_UPPER	32	0	rw	
GCR_L2_DATA	32	0	rw	
GCR_L2_DATA_UPPER	32	0	rw	
GCR_L2_ECC	32	0	rw	
GCR_L2_ECC_UPPER	32	0	rw	
GCR_CL_RESET_RELEASE	32	0	-w	
GCR_CL_COHERENCE	32	0	rw	
GCR_CL_CONFIG	32	0	r-	
GCR_CL_OTHER	32	0	rw	
GCR_CL_RESET_BASE	32	bfc00000	rw	
GCR_CL_ID	32	0	r-	
GCR_CL_RESET_EXT_BASE	32	40000001	rw	
GCR_CO_RESET_RELEASE	32	0	-w	
GCR_CO_COHERENCE	32	0	rw	
GCR_CO_CONFIG	32	0	r-	
GCR_CO_OTHER	32	0	rw	
GCR_CO_RESET_BASE	32	bfc00000	rw	
GCR_CO_ID	32	0	r-	
GCR_CO_RESET_EXT_BASE	32	40000001	rw	

Table 13.8: Registers at level 2, type:CPU group:CMP\_GCR

#### 13.2.9 CMP\_CPC

Registers at level:2, type:CPU group:CMP\_CPC

Name	Bits	Initial-Hex	RW	Description
CPC_ACCESS	32	ff	rw	
CPC_SEQDEL	32	0	rw	
CPC_RAIL	32	0	rw	
CPC_RESETLEN	32	0	rw	
CPC_REVISION	32	0	r-	
CPC_CMD	32	3	rw	
CPC_STAT_CONF	32	300200	rw	
CPC_OTHER	32	0	rw	
CPC_CMD	32	3	rw	
CPC_STAT_CONF	32	300200	rw	
CPC_OTHER	32	0	rw	

Table 13.9: Registers at level 2, type:CPU group:CMP\_CPC

#### 13.2.10 CMP\_GIC

Registers at level:2, type:CPU group:CMP\_GIC

Name	Bits	Initial-Hex	RW	Description
GIC_SH_CONFIG	32	8040003	rw	
GIC_CounterLo	32	0	rw	
GIC_CounterHi	32	0	rw	
GIC_SH_REVISION	32	0	r-	
GIC_SH_POL31_0	32	0	rw	
GIC_SH_POL63_32	32	0	rw	
GIC_SH_POL95_64	32	0	rw	
GIC_SH_POL127_96	32	0	rw	
GIC_SH_POL159_128	32	0	rw	
GIC_SH_POL191_160	32	0	rw	
GIC_SH_POL223_192	32	0	rw	
GIC_SH_POL255_224	32	0	rw	
GIC_SH_TRIG31_0	32	0	rw	
GIC_SH_TRIG63_32	32	0	rw	
GIC_SH_TRIG95_64	32	0	rw	
GIC_SH_TRIG127_96	32	0	rw	
GIC_SH_TRIG159_128	32	0	rw	
GIC_SH_TRIG191_160	32	0	rw	
GIC_SH_TRIG223_192	32	0	rw	
GIC_SH_TRIG255_224	32	0	rw	
GIC_SH_DUAL31_0	32	0	rw	
GIC_SH_DUAL63_32	32	0	rw	
GIC_SH_DUAL95_64	32	0	rw	
GIC_SH_DUAL127_96	32	0	rw	
GIC_SH_DUAL159_128	32	0	rw	
GIC_SH_DUAL191_160	32	0	rw	
GIC_SH_DUAL223_192	32	0	rw	
GIC_SH_DUAL255_224	32	0	rw	

		_		
GIC_SH_WEDGE	32	0	-w	
GIC_SH_RMASK31_0	32	0	-w	
GIC_SH_RMASK63_32	32	0	-w	
GIC_SH_RMASK95_64	32	0	-w	
GIC_SH_RMASK127_96	32	0	-w	
GIC_SH_RMASK159_128	32	0	-w	
GIC_SH_RMASK191_160	32	0	-w	
GIC_SH_RMASK223_192	32	0	-w	
GIC_SH_RMASK255_224	32	0	-w	
GIC_SH_SMASK31_0	32	0	-w	
GIC_SH_SMASK63_32	32	0	-w	
GIC_SH_SMASK95_64	32	0	-w	
GIC_SH_SMASK127_96	32	0	-w	
GIC_SH_SMASK159_128	32	0	-w	
GIC_SH_SMASK191_160	32	0	-w	
GIC_SH_SMASK223_192	32	0	-w	
GIC_SH_SMASK255_224	32	0	-w	
GIC_SH_MASK31_0	32	0	r-	
GIC_SH_MASK63_32	32	0	r-	
GIC_SH_MASK95_64	32	0	r-	
GIC_SH_MASK127_96	32	0	r-	
GIC_SH_MASK159_128	32	0	r-	
GIC_SH_MASK191_160	32	0		
GIC_SH_MASK23_192	32	0	r-	
GIC_SH_MASK255_224	32	0	r-	
GIC_SH_PEND31_0	32		r-	
	32	0	r-	
GIC_SH_PEND63_32		0	r-	
GIC_SH_PEND95_64	32	0	r-	
GIC_SH_PEND127_96	32	0	r-	
GIC_SH_PEND159_128	32	0	r-	
GIC_SH_PEND191_160	32	0	r-	
GIC_SH_PEND223_192	32	0	r-	
GIC_SH_PEND255_224	32	0	r-	
GIC_SH_MAP000_PIN	32	80000000	rw	
GIC_SH_MAP001_PIN	32	80000000	rw	
GIC_SH_MAP002_PIN	32	80000000	rw	
GIC_SH_MAP003_PIN	32	80000000	rw	
GIC_SH_MAP004_PIN	32	80000000	rw	
GIC_SH_MAP005_PIN	32	80000000	rw	
GIC_SH_MAP006_PIN	32	80000000	rw	
GIC_SH_MAP007_PIN	32	80000000	rw	
GIC_SH_MAP008_PIN	32	80000000	rw	
GIC_SH_MAP009_PIN	32	80000000	rw	
GIC_SH_MAP010_PIN	32	80000000	rw	
GIC_SH_MAP011_PIN	32	80000000	rw	
GIC_SH_MAP012_PIN	32	80000000	rw	
GIC_SH_MAP013_PIN	32	80000000	rw	
GIC_SH_MAP014_PIN	32	80000000	rw	
GIC_SH_MAP015_PIN	32	80000000	rw	
GIC_SH_MAP016_PIN	32	80000000	rw	
GIC_SH_MAP017_PIN	32	80000000	rw	
GIC_SH_MAP018_PIN	32	80000000	rw	
GIC_SH_MAP019_PIN	32	80000000	rw	
GIC_SH_MAP020_PIN	32	80000000	rw	
GIC_SH_MAP021_PIN	32	80000000	rw	
GIC_SH_MAP022_PIN	32	80000000	rw	
010_011_11111		20000000	- **	<u> </u>

GIC_SH_MAP023_PIN	32	80000000	rw	
GIC_SH_MAP024_PIN	32	80000000	rw	
GIC_SH_MAP025_PIN	32	80000000	rw	
GIC_SH_MAP026_PIN	32	80000000	rw	
GIC_SH_MAP027_PIN	32	80000000	rw	
GIC_SH_MAP028_PIN	32	80000000	rw	
GIC_SH_MAP029_PIN	32	80000000	rw	
GIC_SH_MAP030_PIN	32	80000000	rw	
GIC_SH_MAP031_PIN	32	80000000	rw	
GIC_SH_MAP032_PIN	32	80000000	rw	
GIC_SH_MAP033_PIN	32	80000000	rw	
GIC_SH_MAP034_PIN	32	80000000	rw	
GIC_SH_MAP035_PIN	32	80000000	rw	
GIC_SH_MAP036_PIN	32	80000000	rw	
GIC_SH_MAP037_PIN	32	80000000	rw	
GIC_SH_MAP038_PIN	32	80000000	rw	
GIC_SH_MAP039_PIN	32	80000000	rw	
GIC_SH_MAP040_PIN	32	0	rw	
GIC_SH_MAP041_PIN	32	0	rw	
GIC SH MAP042 PIN	32	0	rw	
GIC SH MAP043 PIN	32	0	rw	
GIC_SH_MAP044_PIN	32	0		
GIC_SH_MAP045_PIN	32	0	rw	
GIC SH MAP046 PIN	32	0	rw	
GIC_SH_MAP047_PIN	32	0	rw	
	32		rw	
GIC_SH_MAP048_PIN		0	rw	
GIC_SH_MAP049_PIN	32	0	rw	
GIC_SH_MAP050_PIN	32	0	rw	
GIC_SH_MAP051_PIN	32	0	rw	
GIC_SH_MAP052_PIN	32	0	rw	
GIC_SH_MAP053_PIN	32	0	rw	
GIC_SH_MAP054_PIN	32	0	rw	
GIC_SH_MAP055_PIN	32	0	rw	
GIC_SH_MAP056_PIN	32	0	rw	
GIC_SH_MAP057_PIN	32	0	rw	
GIC_SH_MAP058_PIN	32	0	rw	
GIC_SH_MAP059_PIN	32	0	rw	
GIC_SH_MAP060_PIN	32	0	rw	
GIC_SH_MAP061_PIN	32	0	rw	
GIC_SH_MAP062_PIN	32	0	rw	
GIC_SH_MAP063_PIN	32	0	rw	
GIC_SH_MAP064_PIN	32	0	rw	
GIC_SH_MAP065_PIN	32	0	rw	
GIC_SH_MAP066_PIN	32	0	rw	
GIC_SH_MAP067_PIN	32	0	rw	
GIC_SH_MAP068_PIN	32	0	rw	
GIC_SH_MAP069_PIN	32	0	rw	
GIC_SH_MAP070_PIN	32	0	rw	
GIC_SH_MAP071_PIN	32	0	rw	
GIC_SH_MAP072_PIN	32	0	rw	
GIC_SH_MAP073_PIN	32	0	rw	
GIC_SH_MAP074_PIN	32	0	rw	
GIC_SH_MAP075_PIN	32	0	rw	
GIC_SH_MAP076_PIN	32	0	rw	
GIC_SH_MAP077_PIN	32	0	rw	
GIC_SH_MAP078_PIN	32	0	rw	
010_D11_W171 0/0_1 11V	1 02	9	1 VV	

GIC_SH_MAP079_PIN	32	0	rw	
GIC_SH_MAP080_PIN	32	0	rw	
GIC_SH_MAP081_PIN	32	0	rw	
GIC_SH_MAP082_PIN	32	0	rw	
GIC_SH_MAP083_PIN	32	0	rw	
GIC_SH_MAP084_PIN	32	0	rw	
GIC_SH_MAP085_PIN	32	0	rw	
GIC_SH_MAP086_PIN	32	0	rw	
GIC_SH_MAP087_PIN	32	0	rw	
GIC_SH_MAP088_PIN	32	0	rw	
GIC_SH_MAP089_PIN	32	0	rw	
GIC_SH_MAP090_PIN	32	0	rw	
GIC_SH_MAP091_PIN	32	0	rw	
GIC_SH_MAP092_PIN	32	0	rw	
GIC_SH_MAP093_PIN	32	0	rw	
GIC_SH_MAP094_PIN	32	0	rw	
GIC_SH_MAP095_PIN	32	0	rw	
GIC_SH_MAP096_PIN	32	0	rw	
GIC_SH_MAP097_PIN	32	0	rw	
GIC_SH_MAP098_PIN	32	0	rw	
GIC_SH_MAP099_PIN	32	0	rw	
GIC_SH_MAP100_PIN	32	0	rw	
GIC_SH_MAP101_PIN	32	0	rw	
GIC_SH_MAP102_PIN	32	0	rw	
GIC_SH_MAP103_PIN	32	0	rw	
GIC_SH_MAP104_PIN	32	0	rw	
GIC_SH_MAP105_PIN	32	0		
GIC_SH_MAP106_PIN	32	0	rw	
GIC_SH_MAP107_PIN	32	0		
GIC_SH_MAP108_PIN	32	0	rw	
GIC_SH_MAP109_PIN	32	0	rw	
GIC_SH_MAP110_PIN	32	0	rw	
GIC_SH_MAP111_PIN	32	0	rw	
GIC_SH_MAP112_PIN	32	0	rw	
	32		rw	
GIC_SH_MAP113_PIN		0	rw	
GIC_SH_MAP114_PIN	32	0	rw	
GIC_SH_MAP115_PIN	32	0	rw	
GIC_SH_MAP116_PIN	32	0	rw	
GIC_SH_MAP117_PIN	32	0	rw	
GIC_SH_MAP118_PIN	32	0	rw	
GIC_SH_MAP119_PIN	32	0	rw	
GIC_SH_MAP120_PIN	32	0	rw	
GIC_SH_MAP121_PIN	32	0	rw	
GIC_SH_MAP122_PIN	32	0	rw	
GIC_SH_MAP123_PIN	32	0	rw	
GIC_SH_MAP124_PIN	32	0	rw	
GIC_SH_MAP125_PIN	32	0	rw	
GIC_SH_MAP126_PIN	32	0	rw	
GIC_SH_MAP127_PIN	32	0	rw	
GIC_SH_MAP128_PIN	32	0	rw	
GIC_SH_MAP129_PIN	32	0	rw	
GIC_SH_MAP130_PIN	32	0	rw	
GIC_SH_MAP131_PIN	32	0	rw	
GIC_SH_MAP132_PIN	32	0	rw	
GIC_SII_MAF 152_F IN	1			
GIC_SH_MAP133_PIN	32	0	rw	
		0 0	rw rw	

GIC_SH_MAP135_PIN	32	0	rw	
GIC_SH_MAP136_PIN	32	0	rw	
GIC_SH_MAP137_PIN	32	0	rw	
GIC_SH_MAP138_PIN	32	0	rw	
GIC_SH_MAP139_PIN	32	0	rw	
GIC_SH_MAP140_PIN	32	0	rw	
GIC_SH_MAP141_PIN	32	0	rw	
GIC_SH_MAP142_PIN	32	0	rw	
GIC_SH_MAP143_PIN	32	0	rw	
GIC_SH_MAP144_PIN	32	0	rw	
GIC_SH_MAP145_PIN	32	0	rw	
GIC_SH_MAP146_PIN	32	0	rw	
GIC_SH_MAP147_PIN	32	0	rw	
GIC_SH_MAP148_PIN	32	0	rw	
GIC_SH_MAP149_PIN	32	0	rw	
GIC_SH_MAP150_PIN	32	0		
GIC SH MAP151 PIN	32	0	rw	
0.0000000000000000000000000000000000000		-	rw	
GIC_SH_MAP152_PIN	32	0	rw	
GIC_SH_MAP153_PIN	32	0	rw	
GIC_SH_MAP154_PIN	32	0	rw	
GIC_SH_MAP155_PIN	32	0	rw	
GIC_SH_MAP156_PIN	32	0	rw	
GIC_SH_MAP157_PIN	32	0	rw	
GIC_SH_MAP158_PIN	32	0	rw	
GIC_SH_MAP159_PIN	32	0	rw	
GIC_SH_MAP160_PIN	32	0	rw	
GIC_SH_MAP161_PIN	32	0	rw	
GIC_SH_MAP162_PIN	32	0	rw	
GIC_SH_MAP163_PIN	32	0	rw	
GIC_SH_MAP164_PIN	32	0	rw	
GIC_SH_MAP165_PIN	32	0	rw	
GIC_SH_MAP166_PIN	32	0	rw	
GIC_SH_MAP167_PIN	32	0	rw	
GIC_SH_MAP168_PIN	32	0	rw	
GIC_SH_MAP169_PIN	32	0	rw	
GIC_SH_MAP170_PIN	32	0	rw	
GIC_SH_MAP171_PIN	32	0	rw	
GIC_SH_MAP172_PIN	32	0	rw	
GIC_SH_MAP173_PIN	32	0	rw	
GIC_SH_MAP174_PIN	32	0		
GIC_SH_MAP174_PIN	32		rw	
	32	0	rw	
GIC_SH_MAP176_PIN		0	rw	
GIC_SH_MAP177_PIN	32	0	rw	
GIC_SH_MAP178_PIN	32	0	rw	
GIC_SH_MAP179_PIN	32	0	rw	
GIC_SH_MAP180_PIN	32	0	rw	
GIC_SH_MAP181_PIN	32	0	rw	
GIC_SH_MAP182_PIN	32	0	rw	
GIC_SH_MAP183_PIN	32	0	rw	
GIC_SH_MAP184_PIN	32	0	rw	
GIC_SH_MAP185_PIN	32	0	rw	
GIC_SH_MAP186_PIN	32	0	rw	
GIC_SH_MAP187_PIN	32	0	rw	
GIC_SH_MAP188_PIN	32	0	rw	
GIC_SH_MAP189_PIN	32	0	rw	
GIC_SH_MAP190_PIN	32	0	rw	
		1 -		<u> </u>

GIC_SH_MAP191_PIN	32	0	rw	
GIC_SH_MAP192_PIN	32	0	rw	
GIC_SH_MAP193_PIN	32	0	rw	
GIC_SH_MAP194_PIN	32	0	rw	
GIC_SH_MAP195_PIN	32	0	rw	
GIC_SH_MAP196_PIN	32	0	rw	
GIC_SH_MAP197_PIN	32	0	rw	
GIC_SH_MAP198_PIN	32	0	rw	
GIC_SH_MAP199_PIN	32	0	rw	
GIC_SH_MAP200_PIN	32	0	rw	
GIC_SH_MAP201_PIN	32	0	rw	
GIC_SH_MAP202_PIN	32	0	rw	
GIC_SH_MAP203_PIN	32	0	rw	
GIC_SH_MAP204_PIN	32	0	rw	
GIC_SH_MAP205_PIN	32	0	rw	
GIC_SH_MAP206_PIN	32	0	rw	
GIC_SH_MAP207_PIN	32	0	rw	
GIC_SH_MAP208_PIN	32	0	rw	
GIC_SH_MAP209_PIN	32	0	rw	
GIC SH MAP210 PIN	32	0		
GIC_SH_MAP211_PIN	32	0	rw	
GIC_SH_MAP211_PIN GIC_SH_MAP212_PIN	32	0	rw	
GIC_SH_MAP212_PIN	32	-	rw	
0.0000000000000000000000000000000000000	_	0	rw	
GIC_SH_MAP214_PIN	32	0	rw	
GIC_SH_MAP215_PIN	32	0	rw	
GIC_SH_MAP216_PIN	32	0	rw	
GIC_SH_MAP217_PIN	32	0	rw	
GIC_SH_MAP218_PIN	32	0	rw	
GIC_SH_MAP219_PIN	32	0	rw	
GIC_SH_MAP220_PIN	32	0	rw	
GIC_SH_MAP221_PIN	32	0	rw	
GIC_SH_MAP222_PIN	32	0	rw	
GIC_SH_MAP223_PIN	32	0	rw	
GIC_SH_MAP224_PIN	32	0	rw	
GIC_SH_MAP225_PIN	32	0	rw	
GIC_SH_MAP226_PIN	32	0	rw	
GIC_SH_MAP227_PIN	32	0	rw	
GIC_SH_MAP228_PIN	32	0	rw	
GIC_SH_MAP229_PIN	32	0	rw	
GIC_SH_MAP230_PIN	32	0	rw	
GIC_SH_MAP231_PIN	32	0	rw	
GIC_SH_MAP232_PIN	32	0	rw	
GIC_SH_MAP233_PIN	32	0	rw	
GIC_SH_MAP234_PIN	32	0	rw	
GIC_SH_MAP235_PIN	32	0	rw	
GIC_SH_MAP236_PIN	32	0	rw	
GIC_SH_MAP237_PIN	32	0	rw	
GIC_SH_MAP238_PIN	32	0	rw	
GIC_SH_MAP239_PIN	32	0	rw	
GIC_SH_MAP240_PIN	32	0	rw	
GIC_SH_MAP241_PIN	32	0	rw	
GIC_SH_MAP242_PIN	32	0	rw	
GIC_SH_MAP243_PIN	32	0	rw	
GIC_SH_MAP244_PIN	32	0	rw	
GIC_SH_MAP245_PIN	32	0	rw	
GIC_SH_MAP246_PIN	32	0	rw	
010_011_WIM1 240_1 11V	1 02	y .	ı vv	

GIC_SH_MAP247_PIN	32	0	rw	
GIC_SH_MAP248_PIN	32	0	rw	
GIC_SH_MAP249_PIN	32	0	rw	
GIC_SH_MAP250_PIN	32	0	rw	
GIC_SH_MAP251_PIN	32	0	rw	
GIC_SH_MAP252_PIN	32	0	rw	
GIC_SH_MAP253_PIN	32	0	rw	
GIC_SH_MAP254_PIN	32	0	rw	
GIC_SH_MAP255_PIN	32	0	rw	
GIC_SH_MAP000_VPE31_0	32	0	rw	
GIC_SH_MAP001_VPE31_0	32	0	rw	
GIC_SH_MAP002_VPE31_0	32	0	rw	
GIC_SH_MAP003_VPE31_0	32	0	rw	
GIC_SH_MAP004_VPE31_0	32	0	rw	
GIC_SH_MAP005_VPE31_0	32	0	rw	
GIC_SH_MAP006_VPE31_0	32	0	rw	
GIC_SH_MAP007_VPE31_0	32	0	rw	
GIC_SH_MAP008_VPE31_0	32	0	rw	
GIC_SH_MAP009_VPE31_0	32	0	rw	
GIC_SH_MAP010_VPE31_0	32	0	rw	
GIC SH MAP011 VPE31 0	32	0		
GIC_SH_MAP011_VPE31_0	32	0	rw	
GIC_SH_MAP012_VPE31_0 GIC_SH_MAP013_VPE31_0	32	-	rw	
		0	rw	
GIC_SH_MAP014_VPE31_0	32	0	rw	
GIC_SH_MAP015_VPE31_0	32	0	rw	
GIC_SH_MAP016_VPE31_0	32	0	rw	
GIC_SH_MAP017_VPE31_0	32	0	rw	
GIC_SH_MAP018_VPE31_0	32	0	rw	
GIC_SH_MAP019_VPE31_0	32	0	rw	
GIC_SH_MAP020_VPE31_0	32	0	rw	
GIC_SH_MAP021_VPE31_0	32	0	rw	
GIC_SH_MAP022_VPE31_0	32	0	rw	
GIC_SH_MAP023_VPE31_0	32	0	rw	
GIC_SH_MAP024_VPE31_0	32	0	rw	
GIC_SH_MAP025_VPE31_0	32	0	rw	
GIC_SH_MAP026_VPE31_0	32	0	rw	
GIC_SH_MAP027_VPE31_0	32	0	rw	
GIC_SH_MAP028_VPE31_0	32	0	rw	
GIC_SH_MAP029_VPE31_0	32	0	rw	
GIC_SH_MAP030_VPE31_0	32	0	rw	
GIC_SH_MAP031_VPE31_0	32	0	rw	
GIC_SH_MAP032_VPE31_0	32	0	rw	
GIC_SH_MAP033_VPE31_0	32	0	rw	
GIC_SH_MAP034_VPE31_0	32	0	rw	
GIC_SH_MAP035_VPE31_0	32	0	rw	
GIC_SH_MAP036_VPE31_0	32	0	rw	
GIC_SH_MAP037_VPE31_0	32	0	rw	
GIC_SH_MAP038_VPE31_0	32	0	rw	
GIC_SH_MAP039_VPE31_0	32	0	rw	
GIC_SH_MAP040_VPE31_0	32	0	rw	
GIC_SH_MAP041_VPE31_0	32	0	rw	
GIC_SH_MAP042_VPE31_0	32	0	rw	
GIC_SH_MAP043_VPE31_0	32	0	rw	
GIC_SH_MAP044_VPE31_0	32	0	rw	
GIC_SH_MAP045_VPE31_0	32	0	rw	
GIC_SH_MAP046_VPE31_0	32	0	rw	
010_011_WIM1 040_V1 E01_0	1 02	y	ı vv	

GIC_SH_MAP047_VPE31_0	32	0	rw	
GIC_SH_MAP048_VPE31_0	32	0	rw	
GIC_SH_MAP049_VPE31_0	32	0	rw	
GIC_SH_MAP050_VPE31_0	32	0	rw	
GIC_SH_MAP051_VPE31_0	32	0	rw	
GIC_SH_MAP052_VPE31_0	32	0	rw	
GIC_SH_MAP053_VPE31_0	32	0	rw	
GIC_SH_MAP054_VPE31_0	32	0	rw	
GIC_SH_MAP055_VPE31_0	32	0	rw	
GIC_SH_MAP056_VPE31_0	32	0	rw	
GIC_SH_MAP057_VPE31_0	32	0	rw	
GIC_SH_MAP058_VPE31_0	32	0	rw	
GIC_SH_MAP059_VPE31_0	32	0	rw	
GIC_SH_MAP060_VPE31_0	32	0	rw	
GIC_SH_MAP061_VPE31_0	32	0		
GIC_SH_MAP062_VPE31_0	32	0	rw	
			rw	
GIC_SH_MAP063_VPE31_0	32	0	rw	
GIC_SH_MAP064_VPE31_0	32	0	rw	
GIC_SH_MAP065_VPE31_0	32	0	rw	
GIC_SH_MAP066_VPE31_0	32	0	rw	
GIC_SH_MAP067_VPE31_0	32	0	rw	
GIC_SH_MAP068_VPE31_0	32	0	rw	
GIC_SH_MAP069_VPE31_0	32	0	rw	
GIC_SH_MAP070_VPE31_0	32	0	rw	
GIC_SH_MAP071_VPE31_0	32	0	rw	
GIC_SH_MAP072_VPE31_0	32	0	rw	
GIC_SH_MAP073_VPE31_0	32	0	rw	
GIC_SH_MAP074_VPE31_0	32	0	rw	
GIC_SH_MAP075_VPE31_0	32	0	rw	
GIC_SH_MAP076_VPE31_0	32	0	rw	
GIC_SH_MAP077_VPE31_0	32	0	rw	
GIC_SH_MAP078_VPE31_0	32	0	rw	
GIC_SH_MAP079_VPE31_0	32	0	rw	
GIC_SH_MAP080_VPE31_0	32	0	rw	
GIC_SH_MAP081_VPE31_0	32	0	rw	
GIC_SH_MAP082_VPE31_0	32	0	rw	
GIC_SH_MAP083_VPE31_0	32	0	-	
GIC_SH_MAP084_VPE31_0	32	0	rw	
		-	rw	
GIC_SH_MAP085_VPE31_0	32	0	rw	
GIC_SH_MAP086_VPE31_0	32	0	rw	
GIC_SH_MAP087_VPE31_0	32	0	rw	
GIC_SH_MAP088_VPE31_0	32	0	rw	
GIC_SH_MAP089_VPE31_0	32	0	rw	
GIC_SH_MAP090_VPE31_0	32	0	rw	
GIC_SH_MAP091_VPE31_0	32	0	rw	
GIC_SH_MAP092_VPE31_0	32	0	rw	
GIC_SH_MAP093_VPE31_0	32	0	rw	
GIC_SH_MAP094_VPE31_0	32	0	rw	
GIC_SH_MAP095_VPE31_0	32	0	rw	
GIC_SH_MAP096_VPE31_0	32	0	rw	
GIC_SH_MAP097_VPE31_0	32	0	rw	
GIC_SH_MAP098_VPE31_0	32	0	rw	
GIC_SH_MAP099_VPE31_0	32	0	rw	
GIC_SH_MAP100_VPE31_0	32	0	rw	
GIC_SH_MAP101_VPE31_0	32	0	rw	
GIC_SH_MAP102_VPE31_0	32	0	rw	
010_011_1V1/11 102_V1 E01_0	102	J	1 W	

GIC_SH_MAP103_VPE31_0	32	0	rw	
GIC_SH_MAP104_VPE31_0	32	0	rw	
GIC_SH_MAP105_VPE31_0	32	0	rw	
GIC_SH_MAP106_VPE31_0	32	0	rw	
GIC_SH_MAP107_VPE31_0	32	0	rw	
GIC_SH_MAP108_VPE31_0	32	0	rw	
GIC_SH_MAP109_VPE31_0	32	0	rw	
GIC_SH_MAP110_VPE31_0	32	0	rw	
GIC_SH_MAP111_VPE31_0	32	0	rw	
GIC_SH_MAP112_VPE31_0	32	0	rw	
GIC_SH_MAP113_VPE31_0	32	0	rw	
GIC_SH_MAP114_VPE31_0	32	0	rw	
GIC_SH_MAP115_VPE31_0	32	0	rw	
GIC_SH_MAP116_VPE31_0	32	0	rw	
GIC_SH_MAP117_VPE31_0	32	0		
GIC_SH_MAP118_VPE31_0	32	0	rw	
	32	0	rw	
GIC_SH_MAP119_VPE31_0		-	rw	
GIC_SH_MAP120_VPE31_0	32	0	rw	
GIC_SH_MAP121_VPE31_0	32	0	rw	
GIC_SH_MAP122_VPE31_0	32	0	rw	
GIC_SH_MAP123_VPE31_0	32	0	rw	
GIC_SH_MAP124_VPE31_0	32	0	rw	
GIC_SH_MAP125_VPE31_0	32	0	rw	
GIC_SH_MAP126_VPE31_0	32	0	rw	
GIC_SH_MAP127_VPE31_0	32	0	rw	
GIC_SH_MAP128_VPE31_0	32	0	rw	
GIC_SH_MAP129_VPE31_0	32	0	rw	
GIC_SH_MAP130_VPE31_0	32	0	rw	
GIC_SH_MAP131_VPE31_0	32	0	rw	
GIC_SH_MAP132_VPE31_0	32	0	rw	
GIC_SH_MAP133_VPE31_0	32	0	rw	
GIC_SH_MAP134_VPE31_0	32	0	rw	
GIC_SH_MAP135_VPE31_0	32	0	rw	
GIC_SH_MAP136_VPE31_0	32	0	rw	
GIC_SH_MAP137_VPE31_0	32	0	rw	
GIC_SH_MAP138_VPE31_0	32	0	rw	
GIC_SH_MAP139_VPE31_0	32	0	rw	
GIC_SH_MAP140_VPE31_0	32	0	rw	
GIC_SH_MAP141_VPE31_0	32	0		
GIC_SH_MAP141_VPE31_0	32	0	rw	
		ŭ.	rw	
GIC_SH_MAP143_VPE31_0	32	0	rw	
GIC_SH_MAP144_VPE31_0	32	0	rw	
GIC_SH_MAP145_VPE31_0	32	0	rw	
GIC_SH_MAP146_VPE31_0	32	0	rw	
GIC_SH_MAP147_VPE31_0	32	0	rw	
GIC_SH_MAP148_VPE31_0	32	0	rw	
GIC_SH_MAP149_VPE31_0	32	0	rw	
GIC_SH_MAP150_VPE31_0	32	0	rw	
GIC_SH_MAP151_VPE31_0	32	0	rw	
GIC_SH_MAP152_VPE31_0	32	0	rw	
GIC_SH_MAP153_VPE31_0	32	0	rw	
GIC_SH_MAP154_VPE31_0	32	0	rw	
GIC_SH_MAP155_VPE31_0	32	0	rw	
GIC_SH_MAP156_VPE31_0	32	0	rw	
GIC_SH_MAP157_VPE31_0	32	0	rw	
GIC_SH_MAP158_VPE31_0	32	0	rw	
5.25.5111111111111111111111111111111111	1		"	

GIC_SH_MAP159_VPE31_0	32	0	rw	
GIC_SH_MAP160_VPE31_0	32	0	rw	
GIC_SH_MAP161_VPE31_0	32	0	rw	
GIC_SH_MAP162_VPE31_0	32	0	rw	
GIC_SH_MAP163_VPE31_0	32	0	rw	
GIC_SH_MAP164_VPE31_0	32	0	rw	
GIC_SH_MAP165_VPE31_0	32	0	rw	
GIC_SH_MAP166_VPE31_0	32	0	rw	
GIC_SH_MAP167_VPE31_0	32	0	rw	
GIC_SH_MAP168_VPE31_0	32	0	rw	
GIC_SH_MAP169_VPE31_0	32	0	rw	
GIC_SH_MAP170_VPE31_0	32	0	rw	
GIC_SH_MAP171_VPE31_0	32	0	rw	
GIC_SH_MAP172_VPE31_0	32	0	rw	
GIC_SH_MAP173_VPE31_0	32	0	rw	
GIC_SH_MAP174_VPE31_0	32	0	rw	
GIC_SH_MAP175_VPE31_0	32	0	rw	
GIC_SH_MAP176_VPE31_0	32	0	rw	
GIC_SH_MAP177_VPE31_0	32	0	rw	
GIC_SH_MAP178_VPE31_0	32	0	rw	
GIC_SH_MAP179_VPE31_0	32	0		
GIC_SH_MAP180_VPE31_0	32	0	rw	
GIC_SH_MAP181_VPE31_0	32	0	rw	
GIC SH MAP181 VPE31 0	32	-	rw	
0.1010111111111111111111111111111111111	_	0	rw	
GIC_SH_MAP183_VPE31_0	32	0	rw	
GIC_SH_MAP184_VPE31_0	32	0	rw	
GIC_SH_MAP185_VPE31_0	32	0	rw	
GIC_SH_MAP186_VPE31_0	32	0	rw	
GIC_SH_MAP187_VPE31_0	32	0	rw	
GIC_SH_MAP188_VPE31_0	32	0	rw	
GIC_SH_MAP189_VPE31_0	32	0	rw	
GIC_SH_MAP190_VPE31_0	32	0	rw	
GIC_SH_MAP191_VPE31_0	32	0	rw	
GIC_SH_MAP192_VPE31_0	32	0	rw	
GIC_SH_MAP193_VPE31_0	32	0	rw	
GIC_SH_MAP194_VPE31_0	32	0	rw	
GIC_SH_MAP195_VPE31_0	32	0	rw	
GIC_SH_MAP196_VPE31_0	32	0	rw	
GIC_SH_MAP197_VPE31_0	32	0	rw	
GIC_SH_MAP198_VPE31_0	32	0	rw	
GIC_SH_MAP199_VPE31_0	32	0	rw	
GIC_SH_MAP200_VPE31_0	32	0	rw	
GIC_SH_MAP201_VPE31_0	32	0	rw	
GIC_SH_MAP202_VPE31_0	32	0	rw	
GIC_SH_MAP203_VPE31_0	32	0	rw	
GIC_SH_MAP204_VPE31_0	32	0	rw	
GIC_SH_MAP205_VPE31_0	32	0	rw	
GIC_SH_MAP206_VPE31_0	32	0	rw	
GIC_SH_MAP207_VPE31_0	32	0	rw	
GIC_SH_MAP208_VPE31_0	32	0	rw	
GIC_SH_MAP209_VPE31_0	32	0	rw	
GIC_SH_MAP210_VPE31_0	32	0	rw	
GIC_SH_MAP211_VPE31_0	32	0	rw	
GIC_SH_MAP212_VPE31_0	32	0	rw	
GIC_SH_MAP213_VPE31_0	32	0	rw	
GIC_SH_MAP214_VPE31_0	32	0	rw	
G10_D11_W1711 214_V1 1301_U	1 02	9	ı vv	

GICS.H.MAP216.VPE31.0 32 0 rw GICS.H.MAP217.VPE31.0 32 0 rw GICS.H.MAP218.VPE31.0 32 0 rw GICS.H.MAP218.VPE31.0 32 0 rw GICS.H.MAP219.VPE31.0 32 0 rw GICS.H.MAP220.VPE31 0 32 0 rw GICS.H.MAP220.VPE31 0 32 0 rw GICS.H.MAP220.VPE31.0 32 0 rw GICS.H.MAP221.VPE31.0 32 0 rw GICS.H.MAP223.VPE31.0 32 0 rw GICS.H.MAP223.VPE31.0 32 0 rw GICS.H.MAP225.VPE31.0 32 0 rw GICS.H.MAP225.VPE31.0 32 0 rw GICS.H.MAP225.VPE31.0 32 0 rw GICS.H.MAP226.VPE31.0 32 0 rw GICS.H.MAP226.VPE31.0 32 0 rw GICS.H.MAP226.VPE31.0 32 0 rw GICS.H.MAP226.VPE31.0 32 0 rw GICS.H.MAP228.VPE31.0 32 0 rw GICS.H.MAP228.VPE31.0 32 0 rw GICS.H.MAP228.VPE31.0 32 0 rw GICS.H.MAP228.VPE31.0 32 0 rw GICS.H.MAP230.VPE31.0 32 0 rw GICS.H.MAP240.VPE31.0 32 0 rw GICS.H.MAP240.VPE33.2 32 0 rw GICS.H.MAP040.VPE33.32 32 0 rw GICS.H.MAP040.VPE33.32 32 0 rw GICS.H.MAP040.VPE33.32 32 0 rw GIC					
GIC SH MAP213. VPE31.0 32 0 rw GIC SH MAP219. VPE31.0 32 0 rw GIC SH MAP220. VPE31.0 32 0 rw GIC SH MAP220. VPE31.0 32 0 rw GIC SH MAP221. VPE31.0 32 0 rw GIC SH MAP221. VPE31.0 32 0 rw GIC SH MAP223. VPE31.0 32 0 rw GIC SH MAP224. VPE31.0 32 0 rw GIC SH MAP225. VPE31.0 32 0 rw GIC SH MAP225. VPE31.0 32 0 rw GIC SH MAP226. VPE31.0 32 0 rw GIC SH MAP227. VPE31.0 32 0 rw GIC SH MAP227. VPE31.0 32 0 rw GIC SH MAP227. VPE31.0 32 0 rw GIC SH MAP228. VPE31.0 32 0 rw GIC SH MAP229. VPE31.0 32 0 rw GIC SH MAP230. VPE31.0 32 0 rw GIC SH MAP231. VPE31.0 32 0 rw GIC SH MAP231. VPE31.0 32 0 rw GIC SH MAP232. VPE31.0 32 0 rw GIC SH MAP233. VPE31.0 32 0 rw GIC SH MAP234. VPE31.0 32 0 rw GIC SH MAP234. VPE31.0 32 0 rw GIC SH MAP235. VPE31.0 32 0 rw GIC SH MAP236. VPE31.0 32 0 rw GIC SH MAP236. VPE31.0 32 0 rw GIC SH MAP237. VPE31.0 32 0 rw GIC SH MAP237. VPE31.0 32 0 rw GIC SH MAP237. VPE31.0 32 0 rw GIC SH MAP238. VPE31.0 32 0 rw GIC SH MAP238. VPE31.0 32 0 rw GIC SH MAP239. VPE31.0 32 0 rw GIC SH MAP239. VPE31.0 32 0 rw GIC SH MAP230. VPE31.0 32 0 rw GIC SH MAP241. VPE31.0 32 0 rw GIC SH MAP240. VPE33.0 32 0 rw GIC SH MAP240. VPE33.2 32 0 rw GIC SH MAP440. VPE33.2 32 0 rw GIC SH MAP440. VPE33.2 32 0 rw GIC SH MAP440. VPE33.3 32 0 rw GIC SH MAP440. VPE33.3 32 0 rw	GIC_SH_MAP215_VPE31_0	32	0	rw	
GICS II MAP213 (PPS31.0	GIC_SH_MAP216_VPE31_0	32	0	rw	
GIC SH MAP219 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP223 VPE31.0 32 0 rw GIC SH MAP224 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP226 VPE31.0 32 0 rw GIC SH MAP226 VPE31.0 32 0 rw GIC SH MAP227 VPE31.0 32 0 rw GIC SH MAP228 VPE31.0 32 0 rw GIC SH MAP228 VPE31.0 32 0 rw GIC SH MAP230 VPE31.0 32 0 rw GIC SH MAP231 VPE31.0 32 0 rw GIC SH MAP235 VPE31.0 32 0 rw GIC SH MAP236 VPE31.0 32 0 rw GIC SH MAP238 VPE31.0 32 0 rw GIC SH MAP241 VPE31.0 32 0 rw GIC SH MAP242 VPE31.0 32 0 rw GIC SH MAP245 VPE31.0 32 0 rw GIC SH MAP246 VPE31.0 32 0 rw GIC SH MAP246 VPE31.0 32 0 rw GIC SH MAP240 VPE33.0 32 0 rw GIC SH MAP240 VPE33.2 32 0 rw GIC SH	GIC_SH_MAP217_VPE31_0	32	0	rw	
GIC SH MAP219 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP221 VPE31.0 32 0 rw GIC SH MAP223 VPE31.0 32 0 rw GIC SH MAP224 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP225 VPE31.0 32 0 rw GIC SH MAP226 VPE31.0 32 0 rw GIC SH MAP226 VPE31.0 32 0 rw GIC SH MAP227 VPE31.0 32 0 rw GIC SH MAP228 VPE31.0 32 0 rw GIC SH MAP228 VPE31.0 32 0 rw GIC SH MAP230 VPE31.0 32 0 rw GIC SH MAP231 VPE31.0 32 0 rw GIC SH MAP235 VPE31.0 32 0 rw GIC SH MAP236 VPE31.0 32 0 rw GIC SH MAP238 VPE31.0 32 0 rw GIC SH MAP241 VPE31.0 32 0 rw GIC SH MAP242 VPE31.0 32 0 rw GIC SH MAP245 VPE31.0 32 0 rw GIC SH MAP246 VPE31.0 32 0 rw GIC SH MAP246 VPE31.0 32 0 rw GIC SH MAP240 VPE33.0 32 0 rw GIC SH MAP240 VPE33.2 32 0 rw GIC SH	GIC_SH_MAP218_VPE31_0	32	0	rw	
GIC.SH.MAP221.VPE31.0 32 0 rw GIC.SH.MAP221.VPE31.0 32 0 rw GIC.SH.MAP221.VPE31.0 32 0 rw GIC.SH.MAP222.VPE31.0 32 0 rw GIC.SH.MAP224.VPE31.0 32 0 rw GIC.SH.MAP224.VPE31.0 32 0 rw GIC.SH.MAP225.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP228.VPE31.0 32 0 rw GIC.SH.MAP228.VPE31.0 32 0 rw GIC.SH.MAP230.VPE31.0 32 0 rw GIC.SH.MAP230.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP233.VPE31.0 32 0 rw GIC.SH.MAP234.VPE31.0 32 0 rw GIC.SH.MAP244.VPE31.0 32 0 rw GIC.SH.MAP245.VPE31.0 32 0 rw GIC.SH.MAP240.VPE31.0 32 0 rw GIC.SH.MAP240.VPE33.0 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH.MAP000.VPE63.32 32 0 rw GIC.SH.MAP000.VPE63.32 32 0 rw GIC.SH.MAP000.VPE63.32 32 0 rw GIC	GIC SH MAP219 VPE31 0	32	0	rw	
GIC SH MAP221 VPB31.0 32 0 rw GIC SH MAP222 VPB31.0 32 0 rw GIC SH MAP223 VPB31.0 32 0 rw GIC SH MAP224 VPB31.0 32 0 rw GIC SH MAP225 VPB31.0 32 0 rw GIC SH MAP226 VPB31.0 32 0 rw GIC SH MAP226 VPB31.0 32 0 rw GIC SH MAP27 VPB31.0 32 0 rw GIC SH MAP28 VPB31.0 32 0 rw GIC SH MAP24 VPB31.0 32 0 rw GIC SH MAP25 VPB31.0 32 0 rw GIC SH MAP26 VPB31.0 32 0 rw GIC SH MAP00 VPB63 32 32 0 r		_	-		
GIC.SH.MAP223.VPE31.0 32 0 rw GIC.SH.MAP223.VPE31.0 32 0 rw GIC.SH.MAP224.VPE31.0 32 0 rw GIC.SH.MAP225.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP228.VPE31.0 32 0 rw GIC.SH.MAP230.VPE31.0 32 0 rw GIC.SH.MAP230.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP231.VPE31.0 32 0 rw GIC.SH.MAP233.VPE31.0 32 0 rw GIC.SH.MAP234.VPE31.0 32 0 rw GIC.SH.MAP243.VPE31.0 32 0 rw GIC.SH.MAP244.VPE31.0 32 0 rw GIC.SH.MAP245.VPE31.0 32 0 rw GIC.SH.MAP240.VPE31.0 32 0 rw GIC.SH.MAP240.VPE33.0 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH.MAP240.VPE33.2 32 0 rw GIC.SH	0.0000000000000000000000000000000000000		_		
GIC SH MAP223 VPE31.0 32 0 rw GIC SILMAP225 VPE31.0 32 0 rw GIC SILMAP225 VPE31.0 32 0 rw GIC SILMAP225 VPE31.0 32 0 rw GIC SILMAP227 VPE31.0 32 0 rw GIC SILMAP227 VPE31.0 32 0 rw GIC SILMAP229 VPE31.0 32 0 rw GIC SILMAP229 VPE31.0 32 0 rw GIC SILMAP230 VPE31.0 32 0 rw GIC SILMAP231 VPE31.0 32 0 rw GIC SILMAP232 VPE31.0 32 0 rw GIC SILMAP232 VPE31.0 32 0 rw GIC SILMAP233 VPE31.0 32 0 rw GIC SILMAP234 VPE31.0 32 0 rw GIC SILMAP234 VPE31.0 32 0 rw GIC SILMAP235 VPE31.0 32 0 rw GIC SILMAP235 VPE31.0 32 0 rw GIC SILMAP237 VPE31.0 32 0 rw GIC SILMAP237 VPE31.0 32 0 rw GIC SILMAP237 VPE31.0 32 0 rw GIC SILMAP239 VPE31.0 32 0 rw GIC SILMAP240 VPE31.0 32 0 rw GIC SILMAP250 VPE33.2 32 0 rw GIC SILMAP000 VPE33.32 32			_		
GIC.SH.MAP225.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP226.VPE31.0 32 0 rw GIC.SH.MAP228.VPE31.0 32 0 rw GIC.SH.MAP229.VPE31.0 32 0 rw GIC.SH.MAP229.VPE31.0 32 0 rw GIC.SH.MAP230.VPE31.0 32 0 rw GIC.SH.MAP240.VPE31.0 32 0 rw GIC.SH.MAP240.VPE33.3 32 0 rw GIC.SH.MAP240.VPE33.3 32 0 rw GIC.SH.MAP240.VPE33.3 32 0 rw GIC.SH.MAP250.VPE33.3 32 0 rw GIC.SH.MAP250.VPE33.3 32 0 rw GIC.SH.MAP250.VPE33.3 32 0 rw GIC.SH.MAP250.VPE33.3 32 0 rw GIC.SH.MAP260.VPE63.32 32 0 rw GIC.SH.MAP260.VPE63.32 32 0 rw GIC.SH.MAP000.VPE63.32 32 0 r		_	-	-	
GIC SH.MAP226.VPE31.0 32 0 rw GIC SH.MAP227.VPE31.0 32 0 rw GIC SH.MAP227.VPE31.0 32 0 rw GIC SH.MAP229.VPE31.0 32 0 rw GIC SH.MAP229.VPE31.0 32 0 rw GIC SH.MAP230.VPE31.0 32 0 rw GIC SH.MAP230.VPE31.0 32 0 rw GIC SH.MAP230.VPE31.0 32 0 rw GIC SH.MAP231.VPE31.0 32 0 rw GIC SH.MAP231.VPE31.0 32 0 rw GIC SH.MAP232.VPE31.0 32 0 rw GIC SH.MAP234.VPE31.0 32 0 rw GIC SH.MAP234.VPE31.0 32 0 rw GIC SH.MAP235.VPE31.0 32 0 rw GIC SH.MAP235.VPE31.0 32 0 rw GIC SH.MAP237.VPE31.0 32 0 rw GIC SH.MAP240.VPE31.0 32 0 rw GIC SH.MAP250.VPE31.0 32 0 rw GIC SH.MAP250.VPE33.2 32 0 rw GIC SH.MAP000.VPE3.32 32 0 rw GIC SH	0.0000000000000000000000000000000000000		-	rw	
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GIC_SH_MAP002_VPE63_32 32 0 rw GIC_SH_MAP003_VPE63_32 32 0 rw GIC_SH_MAP004_VPE63_32 32 0 rw GIC_SH_MAP005_VPE63_32 32 0 rw GIC_SH_MAP006_VPE63_32 32 0 rw GIC_SH_MAP007_VPE63_32 32 0 rw GIC_SH_MAP008_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw		_	_		
GIC_SH_MAP003_VPE63_32 32 0 rw  GIC_SH_MAP004_VPE63_32 32 0 rw  GIC_SH_MAP005_VPE63_32 32 0 rw  GIC_SH_MAP006_VPE63_32 32 0 rw  GIC_SH_MAP007_VPE63_32 32 0 rw  GIC_SH_MAP008_VPE63_32 32 0 rw  GIC_SH_MAP009_VPE63_32 32 0 rw  GIC_SH_MAP010_VPE63_32 32 0 rw  GIC_SH_MAP010_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP013_VPE63_32 32 0 rw  GIC_SH_MAP013_VPE63_32 32 0 rw		_	-	-	
GIC_SH_MAP004_VPE63_32 32 0 rw  GIC_SH_MAP005_VPE63_32 32 0 rw  GIC_SH_MAP006_VPE63_32 32 0 rw  GIC_SH_MAP007_VPE63_32 32 0 rw  GIC_SH_MAP008_VPE63_32 32 0 rw  GIC_SH_MAP009_VPE63_32 32 0 rw  GIC_SH_MAP010_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP011_VPE63_32 32 0 rw  GIC_SH_MAP012_VPE63_32 32 0 rw  GIC_SH_MAP013_VPE63_32 32 0 rw			-		
GIC_SH_MAP005_VPE63_32 32 0 rw GIC_SH_MAP006_VPE63_32 32 0 rw GIC_SH_MAP007_VPE63_32 32 0 rw GIC_SH_MAP008_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw			-	rw	
GIC_SH_MAP006_VPE63_32 32 0 rw GIC_SH_MAP007_VPE63_32 32 0 rw GIC_SH_MAP008_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw			_	rw	
GIC_SH_MAP007_VPE63_32 32 0 rw GIC_SH_MAP008_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw			0	rw	
GIC_SH_MAP008_VPE63_32 32 0 rw GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw	GIC_SH_MAP006_VPE63_32	32	0	rw	
GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw	GIC_SH_MAP007_VPE63_32	32	0	rw	
GIC_SH_MAP009_VPE63_32 32 0 rw GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw	GIC_SH_MAP008_VPE63_32	32	0	rw	
GIC_SH_MAP010_VPE63_32 32 0 rw GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw		_		-	
GIC_SH_MAP011_VPE63_32 32 0 rw GIC_SH_MAP012_VPE63_32 32 0 rw GIC_SH_MAP013_VPE63_32 32 0 rw					
GIC_SH_MAP012_VPE63_32		_	_		
GIC_SH_MAP013_VPE63_32 32 0 rw		_	-		
		-	-		
GIC_SH_MAP014_VPE63_32   32   0   rw			_		
	GIC_SH_MAP014_VPE63_32	32	U	rw	

GIC_SH_MAP015_VPE63_32	32	0	rw	
GIC_SH_MAP016_VPE63_32	32	0	rw	
GIC_SH_MAP017_VPE63_32	32	0	rw	
GIC_SH_MAP018_VPE63_32	32	0	rw	
GIC_SH_MAP019_VPE63_32	32	0	rw	
GIC_SH_MAP020_VPE63_32	32	0	rw	
GIC_SH_MAP021_VPE63_32	32	0	rw	
GIC_SH_MAP022_VPE63_32	32	0	rw	
GIC_SH_MAP023_VPE63_32	32	0	rw	
GIC_SH_MAP024_VPE63_32	32	0	rw	
GIC_SH_MAP025_VPE63_32	32	0	rw	
GIC_SH_MAP026_VPE63_32	32	0	rw	
GIC_SH_MAP027_VPE63_32	32	0	rw	
GIC_SH_MAP028_VPE63_32	32	0	rw	
GIC_SH_MAP029_VPE63_32	32	0	rw	
GIC_SH_MAP030_VPE63_32	32	0	rw	
GIC_SH_MAP031_VPE63_32	32	0	rw	
GIC_SH_MAP032_VPE63_32	32	0	rw	
GIC_SH_MAP033_VPE63_32	32	0		
GIC_SH_MAP033_VPE63_32 GIC_SH_MAP034_VPE63_32	32	0	rw	
GIC_SH_MAP034_VPE63_32 GIC_SH_MAP035_VPE63_32	32	0	rw	
GIC_SH_MAP035_VPE63_32 GIC_SH_MAP036_VPE63_32	32	0	rw	
	_	-	rw	
GIC_SH_MAP037_VPE63_32	32	0	rw	
GIC_SH_MAP038_VPE63_32	32	0	rw	
GIC_SH_MAP039_VPE63_32	32	0	rw	
GIC_SH_MAP040_VPE63_32	32	0	rw	
GIC_SH_MAP041_VPE63_32	32	0	rw	
GIC_SH_MAP042_VPE63_32	32	0	rw	
GIC_SH_MAP043_VPE63_32	32	0	rw	
GIC_SH_MAP044_VPE63_32	32	0	rw	
GIC_SH_MAP045_VPE63_32	32	0	rw	
GIC_SH_MAP046_VPE63_32	32	0	rw	
GIC_SH_MAP047_VPE63_32	32	0	rw	
GIC_SH_MAP048_VPE63_32	32	0	rw	
GIC_SH_MAP049_VPE63_32	32	0	rw	
GIC_SH_MAP050_VPE63_32	32	0	rw	
GIC_SH_MAP051_VPE63_32	32	0	rw	
GIC_SH_MAP052_VPE63_32	32	0	rw	
GIC_SH_MAP053_VPE63_32	32	0	rw	
GIC_SH_MAP054_VPE63_32	32	0	rw	
GIC_SH_MAP055_VPE63_32	32	0	rw	
GIC_SH_MAP056_VPE63_32	32	0	rw	
GIC_SH_MAP057_VPE63_32	32	0	rw	
GIC_SH_MAP058_VPE63_32	32	0	rw	
GIC_SH_MAP059_VPE63_32	32	0	rw	
GIC_SH_MAP060_VPE63_32	32	0	rw	
GIC_SH_MAP061_VPE63_32	32	0	rw	
GIC_SH_MAP062_VPE63_32	32	0	rw	
GIC_SH_MAP063_VPE63_32	32	0	rw	
GIC_SH_MAP064_VPE63_32	32	0	rw	
GIC_SH_MAP065_VPE63_32	32	0	rw	
GIC_SH_MAP066_VPE63_32	32	0	rw	
GIC_SH_MAP067_VPE63_32	32	0		
GIC_SH_MAP067_VPE63_32 GIC_SH_MAP068_VPE63_32	32	0	rw	
	-		rw	
GIC_SH_MAP069_VPE63_32	32	0	rw	
GIC_SH_MAP070_VPE63_32	32	0	rw	

GIC_SH_MAP071_VPE63_32	32	0	rw	
GIC_SH_MAP072_VPE63_32	32	0	rw	
GIC_SH_MAP073_VPE63_32	32	0	rw	
GIC_SH_MAP074_VPE63_32	32	0	rw	
GIC_SH_MAP075_VPE63_32	32	0	rw	
GIC_SH_MAP076_VPE63_32	32	0	rw	
GIC_SH_MAP077_VPE63_32	32	0	rw	
GIC_SH_MAP078_VPE63_32	32	0		
GIC_SH_MAP079_VPE63_32	32	0	rw	
GIC_SH_MAP079_VPE03_32 GIC_SH_MAP080_VPE63_32	32	0	rw	
	_	-	rw	
GIC_SH_MAP081_VPE63_32	32	0	rw	
GIC_SH_MAP082_VPE63_32	32	0	rw	
GIC_SH_MAP083_VPE63_32	32	0	rw	
GIC_SH_MAP084_VPE63_32	32	0	rw	
GIC_SH_MAP085_VPE63_32	32	0	rw	
GIC_SH_MAP086_VPE63_32	32	0	rw	
GIC_SH_MAP087_VPE63_32	32	0	rw	
GIC_SH_MAP088_VPE63_32	32	0	rw	
GIC_SH_MAP089_VPE63_32	32	0	rw	
GIC_SH_MAP090_VPE63_32	32	0	rw	
GIC_SH_MAP091_VPE63_32	32	0	rw	
GIC_SH_MAP092_VPE63_32	32	0	rw	
GIC_SH_MAP093_VPE63_32	32	0		
	32	0	rw	
GIC_SH_MAP094_VPE63_32		-	rw	
GIC_SH_MAP095_VPE63_32	32	0	rw	
GIC_SH_MAP096_VPE63_32	32	0	rw	
GIC_SH_MAP097_VPE63_32	32	0	rw	
GIC_SH_MAP098_VPE63_32	32	0	rw	
GIC_SH_MAP099_VPE63_32	32	0	rw	
GIC_SH_MAP100_VPE63_32	32	0	rw	
GIC_SH_MAP101_VPE63_32	32	0	rw	
GIC_SH_MAP102_VPE63_32	32	0	rw	
GIC_SH_MAP103_VPE63_32	32	0	rw	
GIC_SH_MAP104_VPE63_32	32	0	rw	
GIC_SH_MAP105_VPE63_32	32	0	rw	
GIC_SH_MAP106_VPE63_32	32	0	rw	
GIC_SH_MAP107_VPE63_32	32	0	-	
GIC_SH_MAP108_VPE63_32	32	0	rw	
GIC_SH_MAP108_VPE63_32	32	0	rw	
			rw	
GIC_SH_MAP110_VPE63_32	32	0	rw	
GIC_SH_MAP111_VPE63_32	32	0	rw	
GIC_SH_MAP112_VPE63_32	32	0	rw	
GIC_SH_MAP113_VPE63_32	32	0	rw	
GIC_SH_MAP114_VPE63_32	32	0	rw	
GIC_SH_MAP115_VPE63_32	32	0	rw	
GIC_SH_MAP116_VPE63_32	32	0	rw	
GIC_SH_MAP117_VPE63_32	32	0	rw	
GIC_SH_MAP118_VPE63_32	32	0	rw	
GIC_SH_MAP119_VPE63_32	32	0	rw	
GIC_SH_MAP120_VPE63_32	32	0	rw	
GIC_SH_MAP121_VPE63_32	32	0	-	
GIC_SH_MAP121_VPE03_32 GIC_SH_MAP122_VPE63_32	32	0	rw	
	_	_	rw	
GIC_SH_MAP123_VPE63_32	32	0	rw	
GIC_SH_MAP124_VPE63_32	32	0	rw	
GIC_SH_MAP125_VPE63_32	32	0	rw	
GIC_SH_MAP126_VPE63_32	32	0	rw	

GIC_SH_MAP127_VPE63_32	32	0	rw	
GIC_SH_MAP128_VPE63_32	32	0	rw	
GIC_SH_MAP129_VPE63_32	32	0	rw	
GIC_SH_MAP130_VPE63_32	32	0	rw	
GIC_SH_MAP131_VPE63_32	32	0	rw	
GIC_SH_MAP132_VPE63_32	32	0	rw	
GIC_SH_MAP133_VPE63_32	32	0	rw	
GIC_SH_MAP134_VPE63_32	32	0	rw	
GIC_SH_MAP135_VPE63_32	32	0	rw	
GIC SH MAP136 VPE63 32	32	0	rw	
GIC_SH_MAP137_VPE63_32	32	0	rw	
GIC_SH_MAP138_VPE63_32	32	0	rw	
GIC_SH_MAP139_VPE63_32	32	0	rw	
GIC_SH_MAP140_VPE63_32	32	0	rw	
GIC_SH_MAP141_VPE63_32	32	0	rw	
GIC_SH_MAP142_VPE63_32	32	0	rw	
GIC_SH_MAP143_VPE63_32	32	0		
GIC SH MAP144 VPE63 32	32	0	rw rw	
GIC_SH_MAP145_VPE63_32	32	0		
GIC_SH_MAP146_VPE63_32 GIC_SH_MAP146_VPE63_32	32	0	rw	
GIC_SH_MAP146_VPE63_32 GIC_SH_MAP147_VPE63_32	32	0	rw	
GIC_SH_MAP147_VPE63_32 GIC_SH_MAP148_VPE63_32	32	0	rw	
GIC_SH_MAP148_VPE63_32 GIC_SH_MAP149_VPE63_32	32	-	rw	
	-	0	rw	
GIC_SH_MAP150_VPE63_32	32	0	rw	
GIC_SH_MAP151_VPE63_32	32	0	rw	
GIC_SH_MAP152_VPE63_32	32	0	rw	
GIC_SH_MAP153_VPE63_32	32	0	rw	
GIC_SH_MAP154_VPE63_32	32	0	rw	
GIC_SH_MAP155_VPE63_32	32	0	rw	
GIC_SH_MAP156_VPE63_32	32	0	rw	
GIC_SH_MAP157_VPE63_32	32	0	rw	
GIC_SH_MAP158_VPE63_32	32	0	rw	
GIC_SH_MAP159_VPE63_32	32	0	rw	
GIC_SH_MAP160_VPE63_32	32	0	rw	
GIC_SH_MAP161_VPE63_32	32	0	rw	
GIC_SH_MAP162_VPE63_32	32	0	rw	
GIC_SH_MAP163_VPE63_32	32	0	rw	
GIC_SH_MAP164_VPE63_32	32	0	rw	
GIC_SH_MAP165_VPE63_32	32	0	rw	
GIC_SH_MAP166_VPE63_32	32	0	rw	
GIC_SH_MAP167_VPE63_32	32	0	rw	
GIC_SH_MAP168_VPE63_32	32	0	rw	
GIC_SH_MAP169_VPE63_32	32	0	rw	
GIC_SH_MAP170_VPE63_32	32	0	rw	
GIC_SH_MAP171_VPE63_32	32	0	rw	
GIC_SH_MAP172_VPE63_32	32	0	rw	
GIC_SH_MAP173_VPE63_32	32	0	rw	
GIC_SH_MAP174_VPE63_32	32	0	rw	
GIC_SH_MAP175_VPE63_32	32	0	rw	
GIC_SH_MAP176_VPE63_32	32	0	rw	
GIC_SH_MAP177_VPE63_32	32	0	rw	
GIC_SH_MAP178_VPE63_32	32	0	rw	
GIC_SH_MAP179_VPE63_32	32	0		
	32	0	rw	
GIC_SH_MAP180_VPE63_32			rw	
GIC_SH_MAP181_VPE63_32	32	0	rw	
GIC_SH_MAP182_VPE63_32	32	0	rw	

GIC_SH_MAP183_VPE63_32	32	0	rw	
GIC_SH_MAP184_VPE63_32	32	0	rw	
GIC_SH_MAP185_VPE63_32	32	0	rw	
GIC_SH_MAP186_VPE63_32	32	0	rw	
GIC_SH_MAP187_VPE63_32	32	0	rw	
GIC_SH_MAP188_VPE63_32	32	0	rw	
GIC_SH_MAP189_VPE63_32	32	0	rw	
GIC_SH_MAP190_VPE63_32	32	0	rw	
GIC_SH_MAP191_VPE63_32	32	0	rw	
GIC_SH_MAP192_VPE63_32	32	0	rw	
GIC_SH_MAP193_VPE63_32	32	0	rw	
GIC_SH_MAP194_VPE63_32	32	0	rw	
GIC_SH_MAP195_VPE63_32	32	0	rw	
GIC_SH_MAP196_VPE63_32	32	0	rw	
GIC_SH_MAP197_VPE63_32	32	0	rw	
GIC_SH_MAP198_VPE63_32	32	0	rw	
GIC_SH_MAP199_VPE63_32	32	0		
GIC_SH_MAP200_VPE63_32	32	0	rw	
GIC_SH_MAP201_VPE63_32	32	0	rw	
GIC_SH_MAP201_VPE63_32 GIC_SH_MAP202_VPE63_32	32	0	rw	
GIC_SH_MAP202_VPE63_32 GIC_SH_MAP203_VPE63_32	32	0	rw	
	_		rw	
GIC_SH_MAP204_VPE63_32 GIC_SH_MAP205_VPE63_32	32	0	rw	
	_	0	rw	
GIC_SH_MAP206_VPE63_32	32	0	rw	
GIC_SH_MAP207_VPE63_32	32	0	rw	
GIC_SH_MAP208_VPE63_32	32	0	rw	
GIC_SH_MAP209_VPE63_32	32	0	rw	
GIC_SH_MAP210_VPE63_32	32	0	rw	
GIC_SH_MAP211_VPE63_32	32	0	rw	
GIC_SH_MAP212_VPE63_32	32	0	rw	
GIC_SH_MAP213_VPE63_32	32	0	rw	
GIC_SH_MAP214_VPE63_32	32	0	rw	
GIC_SH_MAP215_VPE63_32	32	0	rw	
GIC_SH_MAP216_VPE63_32	32	0	rw	
GIC_SH_MAP217_VPE63_32	32	0	rw	
GIC_SH_MAP218_VPE63_32	32	0	rw	
GIC_SH_MAP219_VPE63_32	32	0	rw	
GIC_SH_MAP220_VPE63_32	32	0	rw	
GIC_SH_MAP221_VPE63_32	32	0	rw	
GIC_SH_MAP222_VPE63_32	32	0	rw	
GIC_SH_MAP223_VPE63_32	32	0	rw	
GIC_SH_MAP224_VPE63_32	32	0	rw	
GIC_SH_MAP225_VPE63_32	32	0	rw	
GIC_SH_MAP226_VPE63_32	32	0	rw	
GIC_SH_MAP227_VPE63_32	32	0	rw	
GIC_SH_MAP228_VPE63_32	32	0	rw	
GIC_SH_MAP229_VPE63_32	32	0	rw	
GIC_SH_MAP230_VPE63_32	32	0	rw	
GIC_SH_MAP231_VPE63_32	32	0	rw	
GIC_SH_MAP232_VPE63_32	32	0		
GIC_SH_MAP232_VPE03_32 GIC_SH_MAP233_VPE63_32	32	0	rw	
GIC_SH_MAP234_VPE63_32	32	0	rw	
	_		rw	
GIC_SH_MAP235_VPE63_32	32	0	rw	
GIC_SH_MAP236_VPE63_32	32	0	rw	
GIC_SH_MAP237_VPE63_32	32	0	rw	
GIC_SH_MAP238_VPE63_32	32	0	rw	

GIC_SH_MAP239_VPE63_32	32	0	rw	
GIC_SH_MAP240_VPE63_32	32	0	rw	
GIC_SH_MAP241_VPE63_32	32	0	rw	
GIC_SH_MAP242_VPE63_32	32	0	rw	
GIC_SH_MAP243_VPE63_32	32	0	rw	
GIC_SH_MAP244_VPE63_32	32	0	rw	
GIC_SH_MAP245_VPE63_32	32	0	rw	
GIC_SH_MAP246_VPE63_32	32	0	rw	
GIC_SH_MAP247_VPE63_32	32	0	rw	
GIC_SH_MAP248_VPE63_32	32	0	rw	
GIC_SH_MAP249_VPE63_32	32	0	rw	
GIC_SH_MAP250_VPE63_32	32	0	rw	
GIC_SH_MAP251_VPE63_32	32	0	rw	
GIC_SH_MAP252_VPE63_32	32	0	rw	
GIC_SH_MAP253_VPE63_32	32	0		
GIC_SH_MAP254_VPE63_32	32	0	rw	
GIC_SH_MAP255_VPE63_32	32	0	rw	
GIC_VB_DINT_SEND	32	0	rw	
I .		2	-W	
GIC_VPE_CTL	32	=	rw	
GIC_VPE_PEND	32	0	r-	
GIC_VPE_MASK	32	7f	r-	
GIC_VPE_RMASK	32	0	-W	
GIC_VPE_SMASK	32	0	-w	
GIC_VPE_WD_MAP	32	40000000	rw	
GIC_VPE_COMPARE_MAP	32	80000000	rw	
GIC_VPE_TIMER_MAP	32	80000005	rw	
GIC_VPE_FDC_MAP	32	80000005	rw	
GIC_VPE_PERFCTR_MAP	32	80000005	rw	
GIC_VPE_SWInt0_MAP	32	80000000	rw	
GIC_VPE_SWInt1_MAP	32	80000000	rw	
GIC_VPE_OTHER_ADDRESS	32	0	rw	
GIC_VPE_IDENT	32	0	r-	
GIC_VPE_WD_CONFIG	32	0	rw	
GIC_VPE_WD_COUNT	32	0	r-	
GIC_VPE_WD_INITIAL	32	0	rw	
GIC_VPE_CompareLo	32	fffffff	rw	
GIC_VPE_CompareHi	32	fffffff	rw	
GIC_VPE_EICSS00	32	0	rw	
GIC_VPE_EICSS01	32	0	rw	
GIC_VPE_EICSS02	32	0	rw	
GIC_VPE_EICSS03	32	0	rw	
GIC_VPE_EICSS04	32	0	rw	
GIC_VPE_EICSS05	32	0	rw	
GIC-VPE-EICSS06	32	0	rw	
GIC_VPE_EICSS07	32	0	rw	
GIC_VPE_EICSS08	32	0	rw	
GIC_VPE_EICSS09	32	0	rw	
GIC-VPE-EICSS10	32	0	rw	
GIC_VPE_EICSS10	32	0	rw	
GIC_VPE_EICSS11	32	0	rw	
GIC-VPE-EICSS12	32	0	rw	
GIC_VPE_EICSS13	32	0		
GIC_VPE_EICSS14 GIC_VPE_EICSS15	32	0	rw	
GIC_VPE_EICSS16	32	0	rw	
	_		rw	
GIC_VPE_EICSS17 GIC_VPE_EICSS18	32	0	rw	
G10-A L E-E109919	J2	0	rw	

GIC_VPE_EICSS19         32         0         rw           GIC_VPE_EICSS20         32         0         rw           GIC_VPE_EICSS21         32         0         rw           GIC_VPE_EICSS22         32         0         rw           GIC_VPE_EICSS23         32         0         rw           GIC_VPE_EICSS24         32         0         rw           GIC_VPE_EICSS25         32         0         rw           GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS21         32         0         rw           GIC_VPE_EICSS22         32         0         rw           GIC_VPE_EICSS23         32         0         rw           GIC_VPE_EICSS24         32         0         rw           GIC_VPE_EICSS25         32         0         rw           GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS22         32         0         rw           GIC_VPE_EICSS23         32         0         rw           GIC_VPE_EICSS24         32         0         rw           GIC_VPE_EICSS25         32         0         rw           GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS23         32         0         rw           GIC_VPE_EICSS24         32         0         rw           GIC_VPE_EICSS25         32         0         rw           GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS24       32       0       rw         GIC_VPE_EICSS25       32       0       rw         GIC_VPE_EICSS26       32       0       rw         GIC_VPE_EICSS27       32       0       rw         GIC_VPE_EICSS28       32       0       rw         GIC_VPE_EICSS29       32       0       rw         GIC_VPE_EICSS30       32       0       rw         GIC_VPE_EICSS31       32       0       rw	
GIC_VPE_EICSS25         32         0         rw           GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS26         32         0         rw           GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS27         32         0         rw           GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS28         32         0         rw           GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS29         32         0         rw           GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS30         32         0         rw           GIC_VPE_EICSS31         32         0         rw	
GIC_VPE_EICSS31 32 0 rw	
GIC_VPE_EICSS32	
GIC_VPE_EICSS33 32 0 rw	
GIC-VPE_EICSS34 32 0 rw	
CLC LIDE FLOCKOY	
CLC LIDE PLCCCO	
GIG UPP FIGGGeo	
CIG LIDE DIGGGO	
0.001/1 ====0.0000	
GIC_VPE_EICSS40 32 0 rw	
GIC_VPE_EICSS41 32 0 rw	
GIC_VPE_EICSS42 32 0 rw	
GIC_VPE_EICSS43 32 0 rw	
GIC_VPE_EICSS44 32 0 rw	
GIC_VPE_EICSS45 32 0 rw	
GIC_VPE_EICSS46 32 0 rw	
GIC_VPE_EICSS47 32 0 rw	
GIC_VPE_EICSS48 32 0 rw	
GIC_VPE_EICSS49 32 0 rw	
GIC_VPE_EICSS50 32 0 rw	
GIC_VPE_EICSS51 32 0 rw	
GIC_VPE_EICSS52 32 0 rw	
GIC_VPE_EICSS53 32 0 rw	
GIC_VPE_EICSS54 32 0 rw	
GIC_VPE_EICSS55 32 0 rw	
GIC_VPE_EICSS56 32 0 rw	
GIC_VPE_EICSS57 32 0 rw	
GIC_VPE_EICSS58 32 0 rw	
GIC_VPE_EICSS59 32 0 rw	
GIC_VPE_EICSS60 32 0 rw	
GIC_VPE_EICSS61 32 0 rw	
GIC-VPE-EICSS62 32 0 rw	
CLC LIDE PLCCCO	
GLG LL DAVE DADE	
GIG G PRI GROUP	
GIC_VPE_CTL 32 2 rw	
GIC_VPE_PEND 32 0 r-	
GIC_VPE_MASK 32 7f r-	
GIC_VPE_RMASK 32 0 -w	
GIC_VPE_SMASK 32 0 -w	
GIC_VPE_WD_MAP 32 40000000 rw	
GIC_VPE_COMPARE_MAP 32 80000000 rw	
GIC_VPE_TIMER_MAP 32 80000005 rw	
GIC_VPE_FDC_MAP 32 80000005 rw	

GIC_VPE_PERFCTR_MAP	32	80000005	rw	
GIC_VPE_SWInt0_MAP	32	80000000	rw	
GIC_VPE_SWInt1_MAP	32	80000000	rw	
GIC_VPE_OTHER_ADDRESS	32	0	rw	
GIC_VPE_IDENT	32	0	r-	
GIC_VPE_WD_CONFIG	32	0	rw	
GIC_VPE_WD_COUNT	32	0	r-	
GIC_VPE_WD_INITIAL	32	0	rw	
GIC_VPE_CompareLo	32	fffffff	rw	
GIC_VPE_CompareHi	32	fffffff	rw	
GIC_VPE_EICSS00	32	0	rw	
GIC_VPE_EICSS01	32	0	rw	
GIC_VPE_EICSS02	32	0	rw	
GIC_VPE_EICSS03	32	0	rw	
GIC_VPE_EICSS04	32	0	rw	
GIC_VPE_EICSS05	32	0	rw	
GIC_VPE_EICSS06	32	0	rw	
GIC_VPE_EICSS07	32	0	rw	
GIC_VPE_EICSS08	32	0	rw	
GIC_VFE_EICSS08	32	0		
GIC_VFE_EICSS09	32	0	rw	
GIC_VPE_EICSS10	32	0	rw	
	-		rw	
GIC_VPE_EICSS12	32	0	rw	
GIC_VPE_EICSS13	32	0	rw	
GIC_VPE_EICSS14	32	0	rw	
GIC_VPE_EICSS15	32	0	rw	
GIC_VPE_EICSS16	32	0	rw	
GIC_VPE_EICSS17	32	0	rw	
GIC_VPE_EICSS18	32	0	rw	
GIC_VPE_EICSS19	32	0	rw	
GIC_VPE_EICSS20	32	0	rw	
GIC_VPE_EICSS21	32	0	rw	
GIC_VPE_EICSS22	32	0	rw	
GIC_VPE_EICSS23	32	0	rw	
GIC_VPE_EICSS24	32	0	rw	
GIC_VPE_EICSS25	32	0	rw	
GIC_VPE_EICSS26	32	0	rw	
GIC_VPE_EICSS27	32	0	rw	
GIC_VPE_EICSS28	32	0	rw	
GIC_VPE_EICSS29	32	0	rw	
GIC_VPE_EICSS30	32	0	rw	
GIC_VPE_EICSS31	32	0	rw	
GIC-VPE-EICSS32	32	0	rw	
GIC-VPE-EICSS32	32	0	rw	
GIC_VPE_EICSS34	32	0	rw	
GIC_VPE_EICSS35	32	0		
GIC_VFE_EICSS36	32	0	rw	
GIC_VPE_EICSS36	32	0	rw	
			rw	
GIC_VPE_EICSS38	32	0	rw	
GIC_VPE_EICSS39	32	0	rw	
GIC_VPE_EICSS40	32	0	rw	
GIC_VPE_EICSS41	32	0	rw	
GIC_VPE_EICSS42	32	0	rw	
GIC_VPE_EICSS43	32	0	rw	
GIC_VPE_EICSS44	32	0	rw	
GIC_VPE_EICSS45	32	0	rw	

GIC_VPE_EICSS46	32	0	rw	
GIC_VPE_EICSS47	32	0	rw	
GIC_VPE_EICSS48	32	0	rw	
GIC_VPE_EICSS49	32	0	rw	
GIC_VPE_EICSS50	32	0	rw	
GIC_VPE_EICSS51	32	0	rw	
GIC_VPE_EICSS52	32	0	rw	
GIC_VPE_EICSS53	32	0	rw	
GIC_VPE_EICSS54	32	0	rw	
GIC_VPE_EICSS55	32	0	rw	
GIC_VPE_EICSS56	32	0	rw	
GIC_VPE_EICSS57	32	0	rw	
GIC_VPE_EICSS58	32	0	rw	
GIC_VPE_EICSS59	32	0	rw	
GIC_VPE_EICSS60	32	0	rw	
GIC_VPE_EICSS61	32	0	rw	
GIC_VPE_EICSS62	32	0	rw	
GIC_VPE_EICSS63	32	0	rw	
GIC_Vx_DINT_PART	32	1	rw	
GIC_Cx_BRK_GROUP	32	0	rw	
GIC_CounterLoUser	32	0	r-	
GIC_CounterHiUser	32	0	r-	

Table 13.10: Registers at level 2, type:CPU group:CMP\_GIC

### 13.2.11 Integration\_support

Registers at level:2, type:CPU group:Integration\_support

Name	Bits	Initial-Hex	RW	Description
stop	32	0	rw	write with non-zero to stop processor

Table 13.11: Registers at level 2, type:CPU group:Integration\_support