

OVP Guide to Using Processor Models

Model specific information for MIPS_P5600

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Model Release Status

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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/ip-vendor-mips.

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/ip-vendor-mips.

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

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?	Description
INSTRUCTION	NSTRUCTION 12 59 mandatory		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 ~~		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	

hwint0	input	optional	External interrupt for compatibility
vc_run_CPU0	input	optional	Set to force stop of execution on processor
	•	_	VPE (simulation control only)
Guest.EIC_RIPL_CPU0	input	optional	Guest External interrupt controller RIPL
Guest.EIC_EICSS_CPU0	input	optional	Guest External interrupt controller EICSS
Guest.EIC_VectorNum_CPU0	input	optional	Guest External interrupt controller vector
	•	_	number
Guest.EIC_VectorOffset_CPU0	input	optional	Guest External interrupt controller vector
		_	offset
Guest.EIC_GID_CPU0	input	optional	Guest External interrupt controller guest
			ID
Guest.intISS_CPU0	output	optional	True when Guest interrupt request is ser-
			viced
Guest.causeTI_CPU0	output	optional	True when Guest timer interrupt expires
Guest.causeIP0_CPU0	output	optional	Raised for Guest software interrupt re-
			quest IP0
Guest.causeIP1_CPU0	output	optional	Raised for Guest software interrupt re-
			quest IP1
reset_CPU1	input	optional	Core reset
hwint0_CPU1	input	optional	External interrupt
hwint1_CPU1	input	optional	External interrupt
hwint2_CPU1	input	optional	External interrupt
hwint3_CPU1	input	optional	External interrupt
hwint4_CPU1	input	optional	External interrupt
hwint5_CPU1	input	optional	External interrupt
nmi_CPU1	input	optional	Non-maskable external interrupt
EICPresent_CPU1	input	optional	Input signal SI_EICPresent per VPE
EIC_RIPL_CPU1	input	optional	External interrupt controller RIPL (alias
			of hwint0 - 5 or 7)
EIC_EICSS_CPU1	input	optional	External interrupt controller EICSS
EIC_VectorNum_CPU1	input	optional	External interrupt controller vector num-
			ber
EIC_VectorOffset_CPU1	input	optional	External interrupt controller vector offset
EIC_GID_CPU1	input	optional	External interrupt controller guest ID
intISS_CPU1	output	optional	True when interrupt request is serviced
causeTI_CPU1	output	optional	True when timer interrupt expires
causeIP0_CPU1	output	optional	Raised for software interrupt request IP0
causeIP1_CPU1	output	optional	Raised for software interrupt request IP1
si_sleep_CPU1	output	optional	True when the VPE is in WAIT state
vc_run_CPU1	input	optional	Set to force stop of execution on processor
			VPE (simulation control only)
Guest.EIC_RIPL_CPU1	input	optional	Guest External interrupt controller RIPL
Guest.EIC_EICSS_CPU1	input	optional	Guest External interrupt controller EICSS
Guest.EIC_VectorNum_CPU1	input	optional	Guest External interrupt controller vector
			number

Guest.EIC_VectorOffset_CPU1	input	optional	Guest External interrupt controller vector offset
Guest.EIC_GID_CPU1	input	optional	Guest External interrupt controller guest
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
causeTLCPU2	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
	P	P	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.causeTLCPU2	output	optional	True when Guest timer interrupt expires
		_ •	* *

$Guest.cause IP0_CPU2$	output	optional	Raised for Guest software interrupt request IP0
Guest.causeIP1_CPU2	output	optional	Raised for Guest software interrupt request 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
		_	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
causeTI_CPU3	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 serviced
Guest.causeTI_CPU3	output	optional	True when Guest timer interrupt expires
$Guest.cause IP0_CPU3$	output	optional	Raised for Guest software interrupt request IP0
Guest.causeIP1_CPU3	output	optional	Raised for Guest software interrupt request 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 structure
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)
${\it cache Index By pass TLB}$	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-
THO I TEBENT	Doolean	trol certain fields (e.x.perfCtl.PCTD
ucLLwordsLocked	Uns32	Numbers of words (4 byte) an uncached LL is lock-
dell words booked	0 11502	ing. Maximum: 4K
FUSA	Boolean	Enable Functional Safety
CPC_FAULT_SUPPORTED	Uns32	Specify the value for Functional Safety Supported
0.0000000000000000000000000000000000000		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
a pa	11 00	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-
prideompanyOptions	Ulisaz	ister
pridRevision	Uns32	Override the Revision field in PRId register
globalClusterNum	Uns32	Override the ClusterNum field in GlobalNumber
globalClustellvulli	011302	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
	Uns32	Set CFG3.PA field of SegCtl1 register
segcfg3PA	011352	
	Uns32	Set CFG4.PA field of SegCtl2 register
segcfg3PA		Set CFG4.PA field of SegCtl2 register Set CFG5.PA field of SegCtl2 register
segcfg3PA segcfg4PA	Uns32	
segcfg3PA segcfg4PA segcfg5PA	Uns32 Uns32	Set CFG5.PA field of SegCtl2 register Set CFG0.AM field of SegCtl0 register Set CFG1.AM field of SegCtl0 register
segcfg3PA segcfg4PA segcfg5PA segcfg0AM	Uns32 Uns32 Uns32	Set CFG5.PA field of SegCtl2 register Set CFG0.AM field of SegCtl0 register

segcfg4AM	Uns32	Set CFG4.AM field of SegCtl2 register
segcig4AW segcfg5AM	Uns32	Set CFG4.AM field of SegCt12 register Set CFG5.AM field of SegCt12 register
segcigoAW segcfg0EU	Uns32	Set CFG0.EU field of SegCtl2 register Set CFG0.EU field of SegCtl0 register
segcigoEU segcfg1EU	Uns32	Set CFG0.EU field of SegCtl0 register 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
		cacheability)
$\operatorname{configMDU}$	Boolean	Override Config.MDU (iterative multiply/divide
		unit)
configMM	Boolean	Override Config.MM (merging mode for write)
$\operatorname{configMT}$	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 (Dcache 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
<u> </u>		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
0011118 ED11	011502	O vollide one off field in Coming2 regioner

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 Boolean	Override Config7.BTLM bit
config7BusSlp		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
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
Standol IV	Donan	point register mode)
fcsrABS2008	Boolean	Override FCSR.ABS2008 (ABS/NEG compliant
	Doolouii	with IEEE 754-2008)
fcsrNAN2008	Boolean	Override FCSR.NAN2008 (QNaN/SNaN encodings
	Donan	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
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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

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GCR_C5_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GCR_C6_RESET_BASE	Uns32	core 5 CMP system only: GCR_CL_RESET_BASE for
GCR_CO_RESET_DASE	Ulis52	core 6
GCR_C7_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
GCR_C7_RESET_BASE	Ulisaz	core 7
GCR_C8_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
	0.11502	core 8
GCR_C9_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for
	0 0 -	core 9
GCR_C0_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
		for core 0
GCR_C1_RESET_EXT_BASE	Uns32	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 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
GCR_C9_RESET_EXT_BASE	Uns32	for core 8 CMP system only: GCR_CL_RESET_EXT_BASE
GCR_C9_RESET_EXT_BASE	Uns32	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
		$(\log 2(\langle ISPRAM \text{ size in bytes} \rangle) - 11)$
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

8.1 Parameter values

These are the current parameter values.

Name	Value
(Others)	
variant	P5600
endian	none
cacheenable	default
cachedebug	0
cacheextbiuinfo	0x0
mipsHexFile	
IMPERAS_MIPS_AVP_OPCODES	F
cacheIndexBypassTLB	F
MIPS_TRACE	F
gprNames	F
supervisorMode	F
busErrors	Т
fixedMMU	F
fixedDbgRegSize	F
removeDSP	F

removeCMP	F
removeFP	F
removeFTLB	F
isISA	F
hiddenTLBentries	F
perfCounters	0
MTFPU	0
	F
supportDenormals VPE0MaxTC	
VPE0Max1C VPE1MaxTC	0
mpuRegions	0
mpuType	0
mpuEnable	F
mpuSegment0	0
mpuSegment1	0
mpuSegment2	0
mpuSegment3	0
mpuSegment4	0
mpuSegment5	0
mpuSegment6	0
mpuSegment7	0
mpuSegment8	0
mpuSegment9	0
mpuSegment10	0
mpuSegment11	0
mpuSegment12	0
mpuSegment13	0
mpuSegment14	0
mpuSegment15	0
mvpconf0vpe	0
tcDisable	0
vpeDisable	0
mvpconf0tc	0
mvpconf0pcp	F
mvpconf0tcp	F
mvpconf1c1f	F
mvpcontrolPolicyMode	F
hasFDC	0
licenseWarningDays	15
MIPS_UHI	F
mipsUhiArgs	
mipsUhiJail	
MIPS_DV_MODE	F
MIPS_MAGIC_OPCODES	F
enableTrickbox	F

fpuexcdisable	F
TRU_PRESENT	F
ucLLwordsLocked	0
FUSA	F
CPC_FAULT_SUPPORTED	0
CPC_FAULT_ENABLE	0
cop2Bits	32
cop2FileName	
udiConfig	0
udiFileName	
vectoredinterrupt	F
externalinterrupt	F
rootFixedMMU	F
rootMMUSizeM1	0
srsctlHSS	0
firPS	0
firHas2008	0
usePreciseFpu	0
simulateLite	NONE
pridCompanyOptions	0
pridRevision	0
globalClusterNum	0
intctlIPTI	0
intctlIPFDC	0
intctlIPPCI	0
numWatch	0
xconfigSpecified	F
segcfg0PA	0
segcfg1PA	0
segcfg2PA	0
segcfg3PA	0
segcfg4PA	0
segcfg5PA	0
segcfg0AM	0
segcfg1AM	0
segcfg2AM	0
segcfg3AM	0
segcfg4AM	0
segcfg5AM	0
segcfg0EU	0
segcfg1EU	0
segcfg2EU	0
segcfg3EU	0
segcfg4EU	0
segcfg5EU	0

segcfgIC 0 segcfg2C 0 segcfg3C 0 segcfg4C 0 segcfg5C 0 configAR 0 configBM 0 configBSP F configK0 0 configKU 0 configMDU F configMM F configBCP F MIPS16eASE F config1DA 0 config1DS 0 config1BP F config1BCP F mirs1bA 0 config1DA 0 config1DA 0 config1BC F config1BA 0 config1BA 0 config1BA 0 config1WA 0 config1MMUSizeM1_VPE1 0 config1MR F config1VR F config2SU 0 config2SL 0 config		
segcfg2C 0 segcfg3C 0 segcfg4C 0 segcfg5C 0 configAR 0 configBM 0 configBM 0 configBNP F configK0 0 configK0 0 configK23 0 configMDU F configMM F configBT 0 configBCP F MIPS16eASE F config1DA 0 config1DA 0 config1DA 0 config1B F config1BA 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE3 0 config1PC F config2SL 0	segcfg0C	0
segcfg3C 0 segcfg5C 0 configAR 0 configBM 0 configBSP F configK0 0 configKU 0 configMDU F configMM F configBCP F MIPS16eASE F config1DA 0 config1DA 0 config1DS 0 config1IA 0 config1IB 0 config1IMOUSizeM1 0 config1IWR 0 config1IS 0 config1IMOUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1VR F config2SV 0 config2SV 0 config2SA 0 config3BP F config3DSPP F config3DSPP F config3DSPP F		
segcfg4C 0 segcfg5C 0 configAR 0 configBM 0 configBSP F configISP F configK0 0 configKU 0 configMDU F configMM F configBT 0 configBCP F MIPS16eASE F config1DA 0 config1DB 0 config1DB 0 config1IA 0 config1IB 0 config1IMOUSizeM1 0 config1MMUSizeM1-VPE1 0 config1MMUSizeM1-VPE3 0 config1VR F config2SV 0 config2SS 0 config3BI F config3BP F config3DSPP F config3DSPP F config3DSPP F	0 0	
segcfg5C 0 configAR 0 configBM 0 configBSP F configK0 0 configKU 0 configMDU F configMM F configBCP F MIPS16eASE F config1DA 0 config1DA 0 config1DS 0 config1IL 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1.VPE1 0 config1PC F config1PC F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F	0 0	
cdmmSize 0 configAR 0 configBM 0 configBSP F configK0 0 configKU 0 configK23 0 configMDU F configMM F configBT 0 configBCP F MIPS16eASE F config1DA 0 config1DB 0 config1DS 0 config1IA 0 config1IS 0 config1IMUSizeM1 0 config1MMUSizeM1.VPE1 0 config1MMUSizeM1.VPE3 0 config1PC F config2SU 0 config2SS 0 config2SL 0 config3BP F config3CDMM F config3DSPP F config3DSPP F	segcfg4C	0
configAR 0 configBM 0 configBP F configISP F configK0 0 configKU 0 configK23 0 configMDU F configMM F configMM F configMT 0 configBB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1BP F config1IA 0 config1IS 0 config1IMUSizeM1 0 config1MMUSizeM1.VPE1 0 config1WR F config1VR F config2SU 0 config2SS 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSPP F	segcfg5C	0
configBM 0 configDSP F configISP F configK0 0 configKU 0 configMDU F configMM F configMT 0 configMT 0 configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1IA 0 config1IA 0 config1IIL 0 config1MMUSizeM1 0 config1MMUSizeM1.VPE1 0 config1MMUSizeM1.VPE3 0 config1PC F config2SU 0 config2SS 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F	cdmmSize	0
configDSP F configISP F configK0 0 configKU 0 configK23 0 configMDU F configMM F configMM F configMT 0 configBSB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IL 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE3 0 config1VR F config2SU 0 config2SS 0 config2SL 0 config2SA 0 config3BP F config3CDMM F config3DSPP F config3DSPP F </td <td>configAR</td> <td>0</td>	configAR	0
configISP F configK0 0 configKU 0 configMDU F configMM F configMT 0 configBSB F configBCP F MIPS16eASE F config1DA 0 config1DS 0 config1DS 0 config1IA 0 config1IL 0 config1IMOUSizeM1 0 config1MMUSizeM1-VPE1 0 config1MMUSizeM1-VPE3 0 config1VR F config1VR F config2SU 0 config2SU 0 config2SL 0 config3BI F config3BP F config3DSPP F config3DSPP F config3DSPP F config3DSPP F	configBM	0
configK0 0 configKU 0 configK23 0 configMDU F configMM F configMT 0 configBB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1B 0 config1IL 0 config1IL 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1PC F config1PC F config1SS 0 config2SA 0 config2SA 0 config3BP F config3CDMM F config3DSPP F config3DSPP F config3DSPP F	configDSP	F
configKU 0 configK23 0 configMDU F configMM F configMT 0 configBB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1B 0 config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1-VPE1 0 config1MMUSizeM1-VPE2 0 config1PC F config1PC F config1PC F config2SU 0 config2SA 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F	configISP	F
configMDU F configMM F configMT 0 configBB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IM 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE3 0 config1PC F config1PC F config2SU 0 config2SS 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F	configK0	0
configMDU F configMM F configMT 0 configBB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1IA 0 config1IA 0 config1IL 0 config1MMUSizeM1 0 config1MMUSizeM1-VPE1 0 config1MMUSizeM1-VPE3 0 config1WR F config1PC F config1C2 F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F config3DSP2P F	configKU	0
configMM F configMT 0 configSB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IL 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1.VPE1 0 config1WR F config1VR F config1VC F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F config3DSPP F config3DSPP F	configK23	0
configMT 0 configSB F configBCP F MIPS16eASE F config1DA 0 config1DS 0 config1DS 0 config1EP F config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1-VPE1 0 config1MMUSizeM1-VPE2 0 config1WR F config1PC F config1PC F config2SU 0 config2SL 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSPP F config3DSP2P F	configMDU	F
configSB F configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1IA 0 config1IL 0 config1IMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1PC F config1C2 F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F config3DSPP F config3DSPP F	configMM	F
configBCP F MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IL 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1VPC F config1C2 F config2SU 0 config2SL 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSPP F config3DSPP F	configMT	0
MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1PC F config1C2 F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F	configSB	F
MIPS16eASE F config1DA 0 config1DL 0 config1DS 0 config1EP F config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1PC F config1C2 F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F	configBCP	F
config1DL 0 config1DS 0 config1EP F config1IA 0 config1IL 0 config1IMMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1VR F config1PC F config2SU 0 config2SS 0 config2SL 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F		F
config1DL 0 config1DS 0 config1EP F config1IA 0 config1IL 0 config1IMMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1VR F config1PC F config2SU 0 config2SS 0 config2SL 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F	config1DA	0
config1DS 0 config1EP F config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1PC F config1C2 F config2SU 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F		0
config1EP F config1IA 0 config1IS 0 config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1WR F config1PC F config2SU 0 config2SS 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F		0
config1IL 0 config1IS 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1WR F config1PC F config2V F config2SU 0 config2SS 0 config2SA 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F		F
config1IS 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1WR F config1PC F config2SU 0 config2SS 0 config2SL 0 config3BI F config3CDMM F config3DSPP F config3DSP2P F	config1IA	0
config1MMUSizeM1 0 config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1VR F config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSP2P F	config1IL	0
config1MMUSizeM1_VPE1 0 config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1WR F config1PC F config2V F config2SU 0 config2SS 0 config2SL 0 config3BI F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config1IS	0
config1MMUSizeM1_VPE2 0 config1MMUSizeM1_VPE3 0 config1WR F config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config1MMUSizeM1	0
config1MMUSizeM1_VPE3 0 config1WR F config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F	config1MMUSizeM1_VPE1	0
config1WR F config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F	$config1MMUSizeM1_VPE2$	0
config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F	$config1MMUSizeM1_VPE3$	0
config1PC F config1C2 F config2SU 0 config2SS 0 config2SL 0 config3BI F config3BP F config3CDMM F config3DSPP F config3DSPP F	config1WR	F
config2SU 0 config2SS 0 config2SL 0 config2SA 0 config3BI F config3BP F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F		F
config2SS 0 config2SL 0 config2SA 0 config3BI F config3BP F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config1C2	F
config2SL 0 config2SA 0 config3BI F config3BP F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config2SU	0
config2SA 0 config3BI F config3BP F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config2SS	0
config3BIFconfig3BPFconfig3CDMMFconfig3CTXTCFconfig3DSPPFconfig3DSP2PF	config2SL	0
config3BP F config3CDMM F config3CTXTC F config3DSPP F config3DSP2P F	config2SA	0
config3CDMMFconfig3CTXTCFconfig3DSPPFconfig3DSP2PF	config3BI	F
config3CTXTC F config3DSPP F config3DSP2P F	config3BP	F
config3DSPP F config3DSP2P F	config3CDMM	F
config3DSP2P F		F
)	config3DSPP	F
config3IPLW 0		F
	config3IPLW	0

config3ISA	0
config3ISAOnExc	F
config3ITL	F
config3LPA	F
config3MCU	F
config3MMAR	0
config3RXI	F
config3SC	F
config3ULRI	F
config3VZ	F
config3MSAP	F
config3CMGCR	F
config3SP	F
config3TL	0
config3PW	F
config4AE	F
config4IE	0
config4MMUConfig	0
config4MMUExtDef	0
config4VTLBSizeExt	0
config4KScrExist	0
config5EVA	F
config5LLB	F
config5MRP	F
config5NFExists	F
mips32Macro	F
config5MSAEn	F
config5MVH	F
config5DEC	F
config5GI	0
config5CRCP	F
config5VP	F
config6FTLBEn	F
config7AR	F
config7DCIDX_MODE	0
config7HCI	F
config7IAR	F
config7WII	F
config7ES	0
config7WR	F
config7FPR	F
config7USP	0
config7BTLM	F
config7BusSlp	F
config7IVAD	F

config7RPS	F
config7IAR_CPU0_VPE0	F
config7IAR_CPU0_VPE1	F
config7IAR_CPU0_VPE2	F
config7IAR_CPU0_VPE3	F
config7IAR_CPU1_VPE0	F
config7IAR_CPU1_VPE1	F
config7IAR_CPU1_VPE2	F
config7IAR_CPU1_VPE3	F
config7IAR_CPU2_VPE0	F
config7IAR_CPU2_VPE1	F
config7IAR_CPU2_VPE2	F
config7IAR_CPU2_VPE3	F
config7IAR_CPU3_VPE0	F
config7IAR_CPU3_VPE1	F
config7IAR_CPU3_VPE2	F
config7IAR_CPU3_VPE3	F
config7IAR_CPU4_VPE0	F
config7IAR_CPU4_VPE1	F
config7IAR_CPU4_VPE2	F
config7IAR_CPU4_VPE3	F
config7IAR_CPU5_VPE0	F
config7IAR_CPU5_VPE1	F
config7IAR_CPU5_VPE2	F
config7IAR_CPU5_VPE3	F
config7IAR_CPU6_VPE0	F
config7IAR_CPU6_VPE1	F
config7IAR_CPU6_VPE2	F
config7IAR_CPU6_VPE3	F
config7IAR_CPU7_VPE0	F
config7IAR_CPU7_VPE1	F
config7IAR_CPU7_VPE2	F
config7IAR_CPU7_VPE3	F
config7IVAD_CPU0_VPE0	F
config7IVAD_CPU0_VPE1	F
config7IVAD_CPU0_VPE2	F
config7IVAD_CPU0_VPE3	F
config7IVAD_CPU1_VPE0	F
config7IVAD_CPU1_VPE1	F
config7IVAD_CPU1_VPE2	F
config7IVAD_CPU1_VPE3	F
config7IVAD_CPU2_VPE0	F
config7IVAD_CPU2_VPE1	F
config7IVAD_CPU2_VPE2	F
config7IVAD_CPU2_VPE3	F

config7IVAD_CPU3_VPE0	F
config7IVAD_CPU3_VPE1	F
config7IVAD_CPU3_VPE2	F
config7IVAD_CPU3_VPE3	F
config7IVAD_CPU4_VPE0	F
config7IVAD_CPU4_VPE1	F
config7IVAD_CPU4_VPE2	F
config7IVAD_CPU4_VPE3	F
config7IVAD_CPU5_VPE0	F
config7IVAD_CPU5_VPE1	F
config7IVAD_CPU5_VPE2	F
config7IVAD_CPU5_VPE3	F
config7IVAD_CPU6_VPE0	F
config7IVAD_CPU6_VPE1	F
config7IVAD_CPU6_VPE2	F
config7IVAD_CPU6_VPE3	F
config7IVAD_CPU7_VPE0	F
config7IVAD_CPU7_VPE1	F
config7IVAD_CPU7_VPE2	F
config7IVAD_CPU7_VPE3	F
config7RPS_CPU0_VPE0	F
config7RPS_CPU0_VPE1	F
config7RPS_CPU0_VPE2	F
config7RPS_CPU0_VPE3	F
config7RPS_CPU1_VPE0	F
config7RPS_CPU1_VPE1	F
config7RPS_CPU1_VPE2	F
config7RPS_CPU1_VPE3	F
config7RPS_CPU2_VPE0	F
config7RPS_CPU2_VPE1	F
config7RPS_CPU2_VPE2	F
config7RPS_CPU2_VPE3	F
config7RPS_CPU3_VPE0	F
config7RPS_CPU3_VPE1	F
config7RPS_CPU3_VPE2	F
config7RPS_CPU3_VPE3	F
config7RPS_CPU4_VPE0	F
config7RPS_CPU4_VPE1	F
config7RPS_CPU4_VPE2	F
config7RPS_CPU4_VPE3	F
config7RPS_CPU5_VPE0	F
config7RPS_CPU5_VPE1	F
config7RPS_CPU5_VPE2	F
config7RPS_CPU5_VPE3	F
config7RPS_CPU6_VPE0	F

config7RPS_CPU6_VPE1	F
config7RPS_CPU6_VPE2	F
config7RPS_CPU6_VPE3	F
config7RPS_CPU7_VPE0	F
	F
config7RPS_CPU7_VPE1	_
config7RPS_CPU7_VPE2	F
config7RPS_CPU7_VPE3	F
statusFR	F
fcsrABS2008	F
fcsrNAN2008	F
numMaarRegs	6
srsconf0SRS1	0
srsconf0SRS2	0
srsconf0SRS3	0
wiredLimit	0
wiredLimitBits	0
wiredWiredBits	0
cdmmBaseCI	F
parityEnable	1
useMpTb	Т
ExceptionBase	0
UseExceptionBase	F
firstBEVExceptionBaseMaskBit	20
EVAReset	F
ExceptionBaseMask	0
ExceptionBasePA	0
11BufferCache	F
GCU_EX	F
GIC_EX	F
CPC_EX	F
TIMER_ROUTABLE	F
SWINT_ROUTABLE	F
PERFCNT_ROUTABLE	F
FDC_ROUTABLE	F
GCR.PCORES	0
GCR_ADDR_REGIONS	
	0
GCR_NUMAUX	0
GCR_BASE	0
GCR_MINOR_REV	0
GCR_MAJOR_REV	0
GCR_CACHE_MINOR_REV	0
GCR_CACHE_MAJOR_REV	0
GCR_L2_ASSOC	0
GCR_L2_SET_SIZE	0
GCR_SYS_CONFIG2_MAX_VP_WIDTH	0

GCR_IOCU1_MINOR_REV	0
GCR_IOCU1_MAJOR_REV	0
GIC_NUMINTERRUPTS	0
GIC_COUNTBITS	0
GIC_MINOR_REV	0
GIC_MAJOR_REV	0
GIC_NUM_TEAMS	7
GIC_TRIG_RESET	0
GIC-PVPES	0
CPC_MICROSTEP	0
CPC_RAILDELAY	0
CPC_RESETLEN	0
CPC_MINOR_REV	0
CPC_MAJOR_REV	
	0
GIC_SH_GID_CONFIG31_0	0
GIC_SH_GID_CONFIG63_32	0
GIC_SH_GID_CONFIG95_64	0
GIC_SH_GID_CONFIG127_96	0
GIC_SH_GID_CONFIG159_128	0
GIC_SH_GID_CONFIG191_160	0
GIC_SH_GID_CONFIG223_192	0
GIC_SH_GID_CONFIG255_224	0
GCR_C0_RESET_BASE	0
GCR_C1_RESET_BASE	0
GCR_C2_RESET_BASE	0
GCR_C3_RESET_BASE	0
GCR_C4_RESET_BASE	0
GCR_C5_RESET_BASE	0
GCR_C6_RESET_BASE	0
GCR_C7_RESET_BASE	0
GCR_C8_RESET_BASE	0
GCR_C9_RESET_BASE	0
GCR_C0_RESET_EXT_BASE	0
GCR_C1_RESET_EXT_BASE	0
GCR_C2_RESET_EXT_BASE	0
GCR_C3_RESET_EXT_BASE	0
GCR_C4_RESET_EXT_BASE	0
GCR_C5_RESET_EXT_BASE	0
GCR_C6_RESET_EXT_BASE	
GCR_C7_RESET_EXT_BASE	0
	0
GCR_C8_RESET_EXT_BASE	0
GCR_C9_RESET_EXT_BASE	0
CPC_C0_VP_EN	0
CPC_C1_VP_EN	0
CPC_C2_VP_EN	0

CPC_C4_VP_EN 0 CPC_C5_VP_EN 0 CPC_C6_VP_EN 0 CPC_C7_VP_EN 0 CPC_C8_VP_EN 0 CPC_C9_VP_EN 0 EIC_OPTION 2 guestCtl0RI 0 guestCtl0CP0 0 guestCtl0CP0 0 guestCtl0GT 0 guestCtl0GT 0 guestCtl0CG 0 guestCtl0GI 0 guestCtl0RAD 0 guestCtl0DRG 0 hasImpl17 F hasImpl16 F guestintctIPFDC 0 guestintctIPPCI 0 guestintctIPPCI 0 ISPRAM_BASE 0 ISPRAM_ENABLE F ISPRAM_ENABLE F DSPRAM_ENABLE F USPRAM_BASE 0 USPRAM_BASE 0 USPRAM_ENABLE F USPRAM_ENABLE F USPRAM_ENABLE F <	CPC_C3_VP_EN	0
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misalignedDataException never	USPRAM_ENABLE	F
	USPRAM_FILE	
	misalignedDataException	never
	commitTlbwErr	F

Table 8.2: Parameter values

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
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. 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.
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 SegmentCon-
		trol_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 SegmentCon-
		trol_1 register
mpuSegment5	Uns32	Attributes for segment 5 in MPU2 SegmentCon-
-		trol_1 register
mpuSegment6	Uns32	Attributes for segment 6 in MPU2 SegmentCon-
mpusegmento	0 11552	1 Millioutes for segment of in Mil O2 segment con-

	** 00	The state of the s
mpuSegment7	Uns32	Attributes for segment 7 in MPU2 SegmentCon-
g 10	11 00	trol_1 register
mpuSegment8	Uns32	Attributes for segment 8 in MPU2 SegmentCon-
G 10	11 00	trol_2 register
mpuSegment9	Uns32	Attributes for segment 9 in MPU2 SegmentCon-
0 110	II 20	trol_2 register
mpuSegment10	Uns32	Attributes for segment 10 in MPU2 SegmentCon-
C 111	II 20	trol_2 register
mpuSegment11	Uns32	Attributes for segment 11 in MPU2 SegmentCon-
manau Camma ant 19	Uns32	trol_2 register
mpuSegment12	Uns32	Attributes for segment 12 in MPU2 SegmentControl_3 register
mpuSegment13	Uns32	Attributes for segment 13 in MPU2 SegmentCon-
mpuSegment13	Uns32	Attributes for segment 13 in MPU2 SegmentControl_3 register
mpuSegment14	Uns32	Attributes for segment 14 in MPU2 SegmentCon-
mpusegment14	Ulisaz	trol_3 register
mpuSegment15	Uns32	Attributes for segment 15 in MPU2 SegmentCon-
mpusegment 15	Ulisaz	trol_3 register
mvpconf0vpe	Uns32	Override MVPConf0.PVPE
tcDisable	Uns32	Number of disabled TCs
	Uns32	Number of disabled VPEs
vpeDisable mvpconf0tc	Uns32	Override MVPConf0.PTC
	Boolean	Override MVPConf0.PTC Override MVPConf0.PCP
mvpconf0pcp	Boolean	Override MVPConf0.FCP Override MVPConf0.TCP
mvpconf0tcp		
mvpconf1c1f	Boolean	Override MVPConf.C1F
mvpcontrolPolicyMode hasFDC	Boolean	Override MVPControl.POLICY_MODE
nasrDC	Uns32	Specify the size of Fast Debug Channel register block
1: W : D	Uns32	
licenseWarningDays	Uns32	Specify the number of days before a license expires to start issuing a warning. 0 disables warnings.
MIPS_UHI	Dooloon	Enable MIPS-Unified Hosting interface
	Boolean	
mipsUhiArgs mipsUhiJail	String	Specifies UHI arguments string separated by spaces Specifies UHI jailroot
MIPS_DV_MODE	String Boolean	Enable Design Verification mode
MIPS_MAGIC_OPCODES	Boolean	Enable MIPS-specific magic Pass/Fail opcodes
enableTrickbox		Enable trickbox addresses (specific for AVP)
	Boolean	
fpuexcdisable	Boolean	Disable FPU exceptions
TRU_PRESENT	Boolean	Disable or Enable based on TRU presence to con-
TTd-Tdd	TI20	trol certain fields (e.x.perfCtl.PCTD
ucLLwordsLocked	Uns32	Numbers of words (4 byte) an uncached LL is locking. Maximum: 4K
ELICA	D1	
FUSA	Boolean	Enable Functional Safety
CPC_FAULT_SUPPORTED	Uns32	Specify the value for Functional Safety Supported
CPC_FAULT_ENABLE	11,000	register
OF O_FAULT_ENABLE	Uns32	Specify the value for Functional Safety Enable reg-
2009Dita	1120	ister Specifical width in hits of COP2 peristons (22 on 64)
cop2Bits	Uns32	Specifies width in bits of COP2 registers (32 or 64) Specifies COP2 dynamically-loaded object
cop2FileName	String	
udiConfo	T190	(.so/.dll) defining COP2 instructions
udiConfig	Int32	Specifies UDI configuration attribute
udiFileName	String	Specifies UDI dynamically-loaded object (.so/.dll)
and the distance of	D 1	defining UDI instructions
vectoredinterrupt	Boolean	Enables vectored interrupts (sets Config3 VInt)
externalinterrupt	Boolean	Enables the use of an external interrupt controller (sets Config3 VEIC)
		1 (2.2.2.2.2.2.2.2.2.1.2.1.2.2.1.2.2.2.2.2

${\bf rootFixedMMU}$	Boolean	Override the root MMU type to fixed mapping when true (sets Config.MT=3 and Config.MY(Year 2)
rootMMUSizeM1	Uns32	fig.KU/K23=2) 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 register
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
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 11502	cacheability)	
configKU	Uns32	Override power on value of Config.KU (set Useg	
		cacheability)	
configK23	Uns32	Override power on value of Config.K23 (set Kseg2 cacheability)	
configMDU	Boolean	Override Config.MDU (iterative multiply/divide 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.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.IL (Icache ente size) Override Config1.IS (Icache sets per way)	
config1MMUSizeM1	Uns32	Override Config1.MMUSizeM1 (number of MMU	
Comignivite dizerri	011502	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		O	
C ON FOUR	Boolean	Override Config3.LPA	
config3MCU	Boolean	Override Config3.MCU	
config3MMAR	Boolean Uns32	Override Config3.MCU Override Config3.MMAR	
config3MMAR config3RXI	Boolean Uns32 Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI	
config3MMAR config3RXI config3SC	Boolean Uns32 Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC	
config3MMAR config3RXI config3SC config3ULRI	Boolean Uns32 Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI	
config3MMAR config3RXI config3SC config3ULRI config3VZ	Boolean Uns32 Boolean Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI Override Config3.VZ	
config3MMAR config3RXI config3SC config3ULRI config3VZ config3MSAP	Boolean Uns32 Boolean Boolean Boolean Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI Override Config3.VZ Override Config3.MSAP	
config3MMAR config3RXI config3SC config3ULRI config3VZ config3MSAP config3CMGCR	Boolean Uns32 Boolean Boolean Boolean Boolean Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI Override Config3.VZ Override Config3.MSAP Override the CMGCR field in Config3 register	
config3MMAR config3RXI config3SC config3ULRI config3VZ config3MSAP config3CMGCR config3SP	Boolean Uns32 Boolean Boolean Boolean Boolean Boolean Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI Override Config3.VZ Override Config3.MSAP Override the CMGCR field in Config3 register Override the SP field in Config3 register	
config3MMAR config3RXI config3SC config3ULRI config3VZ config3MSAP config3CMGCR	Boolean Uns32 Boolean Boolean Boolean Boolean Boolean Boolean Boolean	Override Config3.MCU Override Config3.MMAR Override Config3.RXI Override Config3.SC Override Config3.ULRI Override Config3.VZ Override Config3.MSAP Override the CMGCR field in Config3 register	

config4AE	Boolean	Override Config4.AE	
config4AE config4IE	Uns32	Override Config4.AE Override Config4.IE	
config4MMUConfig	Uns32	Override Config4.IE Override Config4.MMUConfig field (interpretation	
Comig4WiWOComig	Ulisaz	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	
0		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)	
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/VPE2 Override Config7.IAR bit for CPU0/VPE3	
config7IAR_CPU0_VPE3	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 Boolean	Override Config7.IAR bit for CPU3/VPE2	
_	Boolean		

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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
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
	**	- <i>I</i> · · ·

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
		point register mode)
fcsrABS2008	Boolean	Override FCSR.ABS2008 (ABS/NEG compliant
		with IEEE 754-2008)
fcsrNAN2008	Boolean	Override FCSR.NAN2008 (QNaN/SNaN encodings
100111111111111111111111111111111111111	Boolean	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 Edith field of the Wired register Override width of Limit field of the Wired register
wiredWiredBits	Uns32	Override width of Limit held of the Wired register 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 cor-
		responding BEV address bits
firstBEVExceptionBaseMaskBit	Uns32	Specify LSB position of
*		GCR_Cx_RESET_EXT_BASE.BEVExceptionBaseMa
		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
Pycobnoniancinian	011502	[27:firstBEVExceptionBaseMaskBit]. Only used
Evention Page DA	II 20	when non-CMP and SegCtl present Pits [25:20] of the physical address for the PFV
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_CONFIG95_64	Uns32	GIC_SH_GID_CONFIG[63_32] CMP system only: override
GIC_SH_GID_CONFIG127_96	Uns32	GIC_SH_GID_CONFIG[95_64] 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
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 core 6
GCR_C7_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 7
GCR_C8_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 8
GCR_C9_RESET_BASE	Uns32	CMP system only: GCR_CL_RESET_BASE for core 9
GCR_C0_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE for core 0
GCR_C1_RESET_EXT_BASE	Uns32	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 5

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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
	011302	for core 7
GCR_C8_RESET_EXT_BASE	Uns32	CMP system only: GCR_CL_RESET_EXT_BASE
	011302	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 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
GUERA		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 guestCtl0DRG	Uns32 Uns32	Override the RAD field in GuestCtl0 register
hasImpl17	Boolean	Override the DRG field in GuestCtl0 register Enable read/write of Impl17 bit in Status register
hasImpl16	Boolean	Enable read/write of Impl16 bit in Status register Enable read/write of Impl16 bit in Status register
guestintctlIPTI	Uns32	Override the Guest IPTI field in IntCtl register
guestintctIIPFDC	Uns32	Override the Guest IPFDC field in IntCtl register
guestintctIIPPCI	Uns32	Override the Guest IPPCI field in IntCtl register
ISPRAM_SIZE	Uns32	Encoded size of the ISPRAM region
	011362	(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
TYGDD A14 D AGD	<u> </u>	(log2(<uspram bytes="" in="" size="">) - 11)</uspram>
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 8.3: Parameters that can be set in: CPU

8.2 Parameter values

These are the current parameter values.

Name	Value
(Others)	
endian	none
cacheenable	default
cachedebug	0
cacheextbiuinfo	0x0
mipsHexFile	
IMPERAS_MIPS_AVP_OPCODES	F
cacheIndexBypassTLB	F
MIPS_TRACE	F
gprNames	F
supervisorMode	F
busErrors	T
fixedMMU	F
fixedDbgRegSize	F
removeDSP	F
removeCMP	F
removeFP	F
removeFTLB	F
isISA	F
hiddenTLBentries	F
perfCounters	0
MTFPU	0
supportDenormals	F
VPE0MaxTC	0
VPE1MaxTC	0
mpuRegions	0
mpuType	0
mpuEnable	F
mpuSegment0	0
mpuSegment1	0
mpuSegment2	0
mpuSegment3	0

mpuSegment4	0
mpuSegment5	0
mpuSegment6	0
mpuSegment7	0
mpuSegment8	0
mpuSegment9	0
mpuSegment10	0
mpuSegment11	0
mpuSegment12	0
mpuSegment13	0
mpuSegment14	0
mpuSegment15	0
mvpconf0vpe	0
tcDisable	0
vpeDisable	0
mvpconf0tc	0
mvpconf0pcp	F
mvpconf0tcp	F
mvpconf1c1f	F
mvpcontrolPolicyMode	F
hasFDC	0
licenseWarningDays	15
MIPS_UHI	F
mipsUhiArgs	_
mipsUhiJail	
MIPS_DV_MODE	F
MIPS_MAGIC_OPCODES	F
enableTrickbox	F
fpuexcdisable	F
TRU_PRESENT	F
ucLLwordsLocked	0
FUSA	F
CPC_FAULT_SUPPORTED	0
CPC_FAULT_ENABLE	0
cop2Bits	32
cop2FileName	92
udiConfig	0
udiFileName	0
vectoredinterrupt	F
externalinterrupt	F
rootFixedMMU	F
rootMMUSizeM1	0
srsctlHSS	0
firPS	0
firHas2008	0

usePreciseFpu	0
simulateLite	NONE
pridCompanyOptions	0
pridRevision	0
globalClusterNum	0
intetlIPTI	0
intctlIPFDC	0
intctlIPPCI	0
numWatch	0
xconfigSpecified	F
segcfg0PA	0
segcfg1PA	0
segcfg2PA	0
segcfg3PA	0
segcfg4PA	0
segcfg5PA	0
segcfg0AM	0
segcfg1AM	0
segcfg2AM	0
segcfg3AM	0
segcfg4AM	0
segcfg5AM	0
segcfg0EU	0
segcfg1EU	0
segcfg2EU	0
segcfg3EU	0
segcfg4EU	0
segcfg5EU	0
segcfg0C	0
segcfg1C	0
segcfg2C	0
segcfg3C	0
segcfg4C	0
segcfg5C	0
cdmmSize	0
configAR	0
configBM	0
configDSP	F
configISP	F
configK0	0
configKU	0
configK23	0
configMDU	F
configMM	F
configMT	0

configSB	F
configBCP	F
MIPS16eASE	F
config1DA	0
config1DL	0
config1DS	0
config1EP	F
config1IA	0
config1IL	0
config1IS	0
config1MMUSizeM1	0
config1MMUSizeM1_VPE1	0
config1MMUSizeM1_VPE2	0
config1MMUSizeM1_VPE3	0
config1WR	F
config1PC	F
config1C2	F
config2SU	0
config2SS	0
config2SL	0
config2SA	0
config3BI	F
config3BP	F
config3CDMM	F
config3CTXTC	F
config3DSPP	F
config3DSP2P	F
config3IPLW	0
config3ISA	0
config3ISAOnExc	F
config3ITL	F
config3LPA	F
config3MCU	F
config3MMAR	0
config3RXI	F
config3SC	F
config3ULRI	F
config3VZ	F
config3MSAP	F
config3CMGCR	F
config3SP	F
config3TL	0
config3PW	F
config4AE	F
config4IE	0

config4MMUConfig	0
config4MMUExtDef	0
config4VTLBSizeExt	0
config4KScrExist	0
config5EVA	F
config5LLB	F
config5MRP	F
config5NFExists	F
mips32Macro	F
config5MSAEn	F
config5MVH	F
config5DEC	F
config5GI	0
config5CRCP	F
config5VP	F
config6FTLBEn	F
config7AR	F
config7DCIDX_MODE	0
config7HCI	F
config7IAR	F
config7WII	F
config7ES	0
config7WR	F
config7FPR	F
config7USP	0
config7BTLM	F
config7BusSlp	F
config7IVAD	F
config7RPS	F
config7IAR_CPU0_VPE0	F
config7IAR_CPU0_VPE1	F
config7IAR_CPU0_VPE2	F
config7IAR_CPU0_VPE3	F
config7IAR_CPU1_VPE0	F
config7IAR_CPU1_VPE1	F
config7IAR_CPU1_VPE2	F
config7IAR_CPU1_VPE3	F
config7IAR_CPU2_VPE0	F
config7IAR_CPU2_VPE1	F
config7IAR_CPU2_VPE2	F
config7IAR_CPU2_VPE3	F
config7IAR_CPU3_VPE0	F
config7IAR_CPU3_VPE1	F
config7IAR_CPU3_VPE2	F
config7IAR_CPU3_VPE3	F

config7IAR_CPU4_VPE1 F config7IAR_CPU4_VPE2 F config7IAR_CPU5_VPE0 F config7IAR_CPU5_VPE1 F config7IAR_CPU5_VPE1 F config7IAR_CPU5_VPE2 F config7IAR_CPU5_VPE3 F config7IAR_CPU6_VPE3 F config7IAR_CPU6_VPE1 F config7IAR_CPU6_VPE2 F config7IAR_CPU6_VPE3 F config7IAR_CPU6_VPE3 F config7IAR_CPU7_VPE0 F config7IAR_CPU7_VPE1 F config7IAR_CPU7_VPE3 F config7IAR_CPU7_VPE3 F config7IVAD_CPU0_VPE0 F config7IVAD_CPU0_VPE1 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 <t< th=""><th></th><th></th></t<>		
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config7IAR_CPU4_VPE3 F config7IAR_CPU5_VPE0 F config7IAR_CPU5_VPE1 F config7IAR_CPU5_VPE2 F config7IAR_CPU5_VPE3 F config7IAR_CPU6_VPE0 F config7IAR_CPU6_VPE1 F config7IAR_CPU6_VPE2 F config7IAR_CPU6_VPE3 F config7IAR_CPU7_VPE0 F config7IAR_CPU7_VPE1 F config7IAR_CPU7_VPE2 F config7IAR_CPU7_VPE3 F config7IAR_CPU7_VPE3 F config7IVAD_CPU0_VPE0 F config7IVAD_CPU0_VPE2 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU1_VPE0 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE3		F
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config7IAR_CPU5_VPE3 F config7IAR_CPU6_VPE0 F config7IAR_CPU6_VPE1 F config7IAR_CPU6_VPE2 F config7IAR_CPU6_VPE3 F config7IAR_CPU7_VPE0 F config7IAR_CPU7_VPE1 F config7IAR_CPU7_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE0 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU1_VPE0 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE1 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE3	config7IAR_CPU5_VPE1	F
config7IAR_CPU6_VPE0 F config7IAR_CPU6_VPE1 F config7IAR_CPU6_VPE2 F config7IAR_CPU6_VPE3 F config7IAR_CPU7_VPE0 F config7IAR_CPU7_VPE1 F config7IAR_CPU7_VPE2 F config7IAR_CPU7_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE1 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU1_VPE0 F config7IVAD_CPU1_VPE1 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE1 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE3	config7IAR_CPU5_VPE2	F
config7IAR_CPU6_VPE1 F config7IAR_CPU6_VPE2 F config7IAR_CPU6_VPE3 F config7IAR_CPU7_VPE0 F config7IAR_CPU7_VPE1 F config7IAR_CPU7_VPE2 F config7IAR_CPU7_VPE3 F config7IVAD_CPU0_VPE0 F config7IVAD_CPU0_VPE1 F config7IVAD_CPU0_VPE2 F config7IVAD_CPU0_VPE3 F config7IVAD_CPU1_VPE0 F config7IVAD_CPU1_VPE1 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU5_VPE3	config7IAR_CPU5_VPE3	F
config7IAR.CPU6.VPE2 F config7IAR.CPU6.VPE3 F config7IAR.CPU7.VPE0 F config7IAR.CPU7.VPE1 F config7IAR.CPU7.VPE2 F config7IAR.CPU7.VPE3 F config7IVAD.CPU0.VPE0 F config7IVAD.CPU0.VPE1 F config7IVAD.CPU0.VPE3 F config7IVAD.CPU1.VPE0 F config7IVAD.CPU1.VPE1 F config7IVAD.CPU1.VPE2 F config7IVAD.CPU1.VPE3 F config7IVAD.CPU2.VPE0 F config7IVAD.CPU2.VPE1 F config7IVAD.CPU2.VPE3 F config7IVAD.CPU3.VPE0 F config7IVAD.CPU3.VPE0 F config7IVAD.CPU3.VPE3 F config7IVAD.CPU3.VPE3 F config7IVAD.CPU4.VPE0 F config7IVAD.CPU4.VPE3 F config7IVAD.CPU4.VPE3 F config7IVAD.CPU5.VPE0 F config7IVAD.CPU5.VPE2 F config7IVAD.CPU5.VPE3 F config7IVAD.CPU6.VPE3	config7IAR_CPU6_VPE0	F
config7IAR_CPU6_VPE3 config7IAR_CPU7_VPE0 config7IAR_CPU7_VPE1 config7IAR_CPU7_VPE1 config7IAR_CPU7_VPE2 config7IAR_CPU7_VPE3 config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE2 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0	config7IAR_CPU6_VPE1	F
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config7IAR_CPU7_VPE1 config7IAR_CPU7_VPE2 config7IAR_CPU7_VPE3 config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE2 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F config7IVAD_CPU6_VPE0	config7IAR_CPU7_VPE0	F
config7IAR_CPU7_VPE3 config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE2 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F		F
config7IAR_CPU7_VPE3 config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE2 config7IVAD_CPU0_VPE3 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F	config7IAR_CPU7_VPE2	F
config7IVAD_CPU0_VPE0 config7IVAD_CPU0_VPE1 config7IVAD_CPU0_VPE2 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE1 config7IVAD_CPU5_VPE2 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU0_VPE3 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE1 config7IVAD_CPU5_VPE2 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU0_VPE3 config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE1 config7IVAD_CPU5_VPE2 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F	config7IVAD_CPU0_VPE1	F
config7IVAD_CPU0_VPE3 config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE1 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU1_VPE0 config7IVAD_CPU1_VPE1 config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE1 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE2 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3		F
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config7IVAD_CPU1_VPE2 config7IVAD_CPU1_VPE3 F config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE1 F config7IVAD_CPU2_VPE2 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU1_VPE3 config7IVAD_CPU2_VPE0 config7IVAD_CPU2_VPE1 config7IVAD_CPU2_VPE2 config7IVAD_CPU2_VPE3 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE0 config7IVAD_CPU3_VPE1 config7IVAD_CPU3_VPE2 config7IVAD_CPU3_VPE3 config7IVAD_CPU3_VPE3 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE0 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE2 config7IVAD_CPU4_VPE3 config7IVAD_CPU4_VPE3 config7IVAD_CPU5_VPE0 config7IVAD_CPU5_VPE1 config7IVAD_CPU5_VPE2 config7IVAD_CPU5_VPE3 config7IVAD_CPU5_VPE3 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE0 config7IVAD_CPU6_VPE1 config7IVAD_CPU6_VPE2 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3 config7IVAD_CPU6_VPE3		F
config7IVAD_CPU2_VPE0 F config7IVAD_CPU2_VPE1 F config7IVAD_CPU2_VPE2 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU2_VPE1 F config7IVAD_CPU2_VPE2 F config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU2_VPE3 F config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU3_VPE0 F config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU2_VPE2	F
config7IVAD_CPU3_VPE1 F config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU2_VPE3	F
config7IVAD_CPU3_VPE2 F config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU3_VPE0	F
config7IVAD_CPU3_VPE3 F config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU3_VPE1	F
config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU3_VPE2	F
config7IVAD_CPU4_VPE0 F config7IVAD_CPU4_VPE1 F config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU3_VPE3	F
config7IVAD_CPU4_VPE2 F config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU4_VPE3 F config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU4_VPE1	F
config7IVAD_CPU5_VPE0 F config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU4_VPE2	F
config7IVAD_CPU5_VPE1 F config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU4_VPE3	F
config7IVAD_CPU5_VPE2 F config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU5_VPE0	F
config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	config7IVAD_CPU5_VPE1	F
config7IVAD_CPU5_VPE3 F config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU6_VPE0 F config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F	9	F
config7IVAD_CPU6_VPE1 F config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU6_VPE2 F config7IVAD_CPU6_VPE3 F		F
config7IVAD_CPU6_VPE3 F		F
config7IVAD CPU7 VPE0	config7IVAD_CPU6_VPE3	F
008,1,1112_01_01_11_20	config7IVAD_CPU7_VPE0	F

config7IVAD_CPU7_VPE1	F
config7IVAD_CPU7_VPE2	F
config7IVAD_CPU7_VPE3	F
config7RPS_CPU0_VPE0	F
config7RPS_CPU0_VPE1	F
config7RPS_CPU0_VPE2	F
config7RPS_CPU0_VPE3	F
config7RPS_CPU1_VPE0	F
config7RPS_CPU1_VPE1	F
config7RPS_CPU1_VPE2	F
config7RPS_CPU1_VPE3	F
config7RPS_CPU2_VPE0	F
config7RPS_CPU2_VPE1	F
config7RPS_CPU2_VPE2	F
config7RPS_CPU2_VPE3	F
config7RPS_CPU3_VPE0	F
config7RPS_CPU3_VPE1	F
config7RPS_CPU3_VPE2	F
config7RPS_CPU3_VPE3	F
config7RPS_CPU4_VPE0	F
config7RPS_CPU4_VPE1	F
config7RPS_CPU4_VPE2	F
config7RPS_CPU4_VPE3	F
config7RPS_CPU5_VPE0	F
config7RPS_CPU5_VPE1	F
config7RPS_CPU5_VPE2	F
config7RPS_CPU5_VPE3	F
config7RPS_CPU6_VPE0	F
config7RPS_CPU6_VPE1	F
config7RPS_CPU6_VPE2	F
config7RPS_CPU6_VPE3	F
config7RPS_CPU7_VPE0	F
config7RPS_CPU7_VPE1	F
config7RPS_CPU7_VPE2	F
config7RPS_CPU7_VPE3	F
statusFR	F
fcsrABS2008	F
fcsrNAN2008	F
numMaarRegs	6
srsconf0SRS1	0
srsconf0SRS2	0
srsconf0SRS3	0
wiredLimit	0
wiredLimitBits	0
wiredWiredBits	0

	T.
cdmmBaseCI	F
parityEnable	1
useMpTb	Т
ExceptionBase	0
UseExceptionBase	F
firstBEVExceptionBaseMaskBit	20
EVAReset	F
ExceptionBaseMask	0
ExceptionBasePA	0
l1BufferCache	F
GCU_EX	F
GIC_EX	F
CPC_EX	F
TIMER_ROUTABLE	F
SWINT_ROUTABLE	F
PERFCNT_ROUTABLE	F
FDC_ROUTABLE	F
GCR_PCORES	0
GCR_ADDR_REGIONS	0
GCR_NUMAUX	0
GCR_BASE	0
GCR_MINOR_REV	0
GCR_MAJOR_REV	0
GCR_CACHE_MINOR_REV	0
GCR_CACHE_MAJOR_REV	0
GCR_L2_ASSOC	0
GCR_L2_SET_SIZE	0
GCR_SYS_CONFIG2_MAX_VP_WIDTH	0
GCR_IOCU1_MINOR_REV	0
GCR_IOCU1_MAJOR_REV	0
GIC_NUMINTERRUPTS	0
GIC_COUNTBITS	0
GIC_MINOR_REV	0
GIC_MAJOR_REV	0
GIC_NUM_TEAMS	7
GIC_TRIG_RESET	0
GIC_PVPES	0
CPC_MICROSTEP	0
CPC_RAILDELAY	0
CPC_RESETLEN	0
CPC_MINOR_REV	0
CPC_MAJOR_REV	0
GIC_SH_GID_CONFIG31_0	0
GIC_SH_GID_CONFIGS1_0	0
GIC_SH_GID_CONFIG05_52 GIC_SH_GID_CONFIG95_64	
GIO_SH_GID_CONF1G90_04	0

CIC CII CID CONEIC197 06	
GIC_SH_GID_CONFIG127_96 GIC_SH_GID_CONFIG159_128	0
GIC_SH_GID_CONFIG199_128	0
GIC_SH_GID_CONFIG191_100	0 0
GIC_SH_GID_CONFIG225_192	0
GCR_CO_RESET_BASE	0
GCR_C1_RESET_BASE	0
GCR_C2_RESET_BASE	0
GCR_C3_RESET_BASE	
GCR_C4_RESET_BASE	0 0
GCR_C5_RESET_BASE	0
GCR_C6_RESET_BASE	0
GCR_C?_RESET_BASE	0
GCR_C8_RESET_BASE	0
GCR_C9_RESET_BASE	0
GCR_C0_RESET_EXT_BASE	0
GCR_C1_RESET_EXT_BASE	0
GCR_C2_RESET_EXT_BASE	0
GCR_C3_RESET_EXT_BASE	0
GCR_C4_RESET_EXT_BASE	0
GCR_C5_RESET_EXT_BASE	0
GCR_C6_RESET_EXT_BASE	0
GCR_C7_RESET_EXT_BASE	0
GCR_C8_RESET_EXT_BASE	0
GCR_C9_RESET_EXT_BASE	0
CPC_C0_VP_EN	0
CPC_C1_VP_EN	0
CPC_C2_VP_EN	0
CPC_C3_VP_EN	0
CPC_C4_VP_EN	0
CPC_C5_VP_EN	0
CPC_C6_VP_EN	0
CPC_C7_VP_EN	0
CPC_C8_VP_EN	0
CPC_C9_VP_EN	0
EIC_OPTION	2
guestCtl0RI	0
guestCtl0MC	0
guestCtl0CP0	0
guestCtl0AT	0
guestCtl0GT	0
guestCtl0CG	0
guestCtl0CF	0
guestCtl0G1	0
guestCtl0RAD	0
80000000000000000000000000000000000000	U

guestCtl0DRG	0
hasImpl17	F
hasImpl16	F
guestintctlIPTI	0
guestintctlIPFDC	0
guestintctlIPPCI	0
ISPRAM_SIZE	0
ISPRAM_BASE	0
ISPRAM_ENABLE	F
ISPRAM_FILE	
DSPRAM_SIZE	0
DSPRAM_BASE	0
DSPRAM_ENABLE	F
DSPRAM_PRESENT	F
USPRAM_SIZE	0
USPRAM_BASE	0
USPRAM_ENABLE	F
USPRAM_FILE	
misalignedDataException	never
commitTlbwErr	F

Table 8.4: Parameter values

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
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 10.1: 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
-memory	String	show memory accesses by this instruction. Ar-
		gument can be any combination of X (execute),
		L (load or store access) and S (system)
-off	Boolean	disable instruction tracing
-on	Boolean	enable instruction tracing
-processorname	Boolean	Include processor name in all trace lines
-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
-memory	String	show memory accesses by this instruction. Ar-
		gument can be any combination of X (execute),
		L (load or store access) and S (system)
-off	Boolean	disable instruction tracing
-on	Boolean	enable instruction tracing
-processorname	Boolean	Include processor name in all trace lines
-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

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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
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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]				

r31[0]	32	0	rw	

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		CP0 register 5/6
pwsize	32	40	rw	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	0	rw	CP0 register 8/1
badinstrp	32	0	rw	CP0 register 8/2
count	32	0	rw	CP0 register 9/0
entryhi	64	0	rw	CP0 register 10/0
guestctl1	32	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		CD0 1.10/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
errorepc	32	0	rw	CP0 register 30/0
desave	32	0		CP0 register 31/0
kscratch1	32	0	rw	CP0 register 31/2
kscratch2	32	0	rw	CP0 register 31/3
kscratch3	32	0	rw	CP0 register 31/4
	32	-	rw	
guestindex		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	rw	CP0 guest register 10/5
54050540500012	32	L	1 **	0.1 0 94000 10910001 10/0

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 12/0 gueststatus 32 400004 rw CP0 guest register 12/0 guestintctl 32 fc000000 rw CP0 guest register 12/2 guestsrsctl 32 0 rw CP0 guest register 12/3 guestguestctl0 32 0 rw CP0 guest register 12/6 guestguestctl8et 32 0 rw CP0 guest register 12/7 guestguestcause 32 0 rw CP0 guest register 13/0 guestepc 32 0 rw CP0 guest register 14/0 guestprid 32 0 rw CP0 guest register 15/0 guestchase 32 80000000 rw CP0 guest register 15/2 guestcdmmbase 32 0 rw CP0 guest register 15/3 guestconfig 32 80048482	
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 guestguestctuse 32 0 rw CP0 guest register 12/7 guestcause 32 0 rw CP0 guest register 13/0 guestcause 32 0 rw CP0 guest register 14/0 guestprid 32 0 rw CP0 guest register 15/0 guestebase 32 80000000 rw CP0 guest register 15/2 guestcdmmbase 32 0 rw CP0 guest register 16/0 guestconfig 32 80048482 rw CP0 guest register 16/0 guestconfig2 32 80007000	
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guestcause 32 0 rw CP0 guest register 13/0 guestepc 32 0 rw CP0 guest register 14/0 guestprid 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 guestcmgcrbase 32 0 rw CP0 guest register 15/3 guestconfig 32 80048482 rw CP0 guest register 16/0 guestconfig1 32 fea35191 rw CP0 guest register 16/1 guestconfig2 32 8007000 rw CP0 guest register 16/2 guestconfig3 32 9f003220 rw CP0 guest register 16/4 guestconfig4 32 c01c0000 rw CP0 guest register 16/5 guestconfig6 32 0 rw CP0 guest register 16/6 guestconfig7 32 0 rw CP0 guest register 16/7	
guestepc 32 0 rw CP0 guest register 14/0 guestprid 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 guestcmgcrbase 32 0 rw CP0 guest register 15/3 guestconfig 32 80048482 rw 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 CP0 guest register 16/3 guestconfig4 32 c01c0000 rw CP0 guest register 16/5 guestconfig6 32 0 rw CP0 guest register 16/6 guestconfig7 32 0 rw CP0 guest register 16/7	
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guestcmgcrbase 32 0 rw CP0 guest register 15/3 guestconfig 32 80048482 rw 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 CP0 guest register 16/3 guestconfig4 32 c01c0000 rw CP0 guest register 16/4 guestconfig5 32 10000038 rw CP0 guest register 16/6 guestconfig6 32 0 rw CP0 guest register 16/6 guestconfig7 32 0 rw CP0 guest register 16/7	
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guestconfig1 32 fea35191 rw CP0 guest register 16/1 guestconfig2 32 80007000 rw CP0 guest register 16/2 guestconfig3 32 9f003220 rw CP0 guest register 16/3 guestconfig4 32 c01c0000 rw CP0 guest register 16/4 guestconfig5 32 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	
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guestconfig3 32 9f003220 rw CP0 guest register 16/3 guestconfig4 32 c01c0000 rw CP0 guest register 16/4 guestconfig5 32 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	
guestconfig4 32 c01c0000 rw CP0 guest register 16/4 guestconfig5 32 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	
guestconfig5 32 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	
guestconfig6 32 0 rw CP0 guest register 16/6 guestconfig7 32 0 rw CP0 guest register 16/7	
guestconfig7 32 0 rw CP0 guest register 16/7	
crost-loddr 64 0 rry CD0 crost-nonistan 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	
guestperfctlo 32 80000000 rw $CP0$ guest register $25/0$	
guestperfcnt0 32 0 rw CP0 guest register 25/1	
guestperfctll 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	
guesterretl 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-	1
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	rw	
GIC_SH_MAP151_PIN	32	0	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		
GIC_SH_MAP174_PIN	32	0	rw	
GIC_SH_MAP175_PIN	32	0	rw rw	
GIC_SH_MAP176_PIN	32	0	rw	
GIC_SH_MAP177_PIN	32	0		
GIC_SH_MAP178_PIN	32	0	rw	
GIC_SH_MAP178_PIN GIC_SH_MAP179_PIN	32	0	rw	
GIC_SH_MAP179_PIN GIC_SH_MAP180_PIN	32	0	rw	
GIC_SH_MAP180_PIN GIC_SH_MAP181_PIN	32		rw	
GIC_SH_MAP181_PIN GIC_SH_MAP182_PIN		0	rw	
	32	0	rw	
GIC_SH_MAP183_PIN		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	

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		
GIC_SH_MAP005_VPE31_0	32	0	rw	
GIC_SH_MAP005_VPE31_0	32	0	rw	
		-	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	rw	
GIC_SH_MAP012_VPE31_0	32	0	rw	
GIC_SH_MAP013_VPE31_0	32	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		
GIC_SH_MAP046_VPE31_0	32	0	rw	
G10_511_WAF 040_ V F E51_0	J2	U	rw	

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	rw	
GIC_SH_MAP062_VPE31_0	32	0	rw	
GIC_SH_MAP063_VPE31_0	32	0		
GIC_SH_MAP064_VPE31_0	32	0	rw rw	
GIC_SH_MAP065_VPE31_0	32	0		
GIC_SH_MAP065_VPE31_0 GIC_SH_MAP066_VPE31_0	32	0	rw	
GIC_SH_MAP067_VPE31_0	32	0	rw	
GIC_SH_MAP067_VPE31_0	32	_	rw	
GIC_SH_MAP068_VPE31_0 GIC_SH_MAP069_VPE31_0	32	0	rw	
GIC SH MAP070 VPE31 0	32	0	rw	
0.0000000000000000000000000000000000000	_	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	rw	
GIC_SH_MAP084_VPE31_0	32	0	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	
		1		

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	
			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		
GIC_SH_MAP177_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 GIC_SH_MAP180_VPE31_0	32	0	rw	
GIC_SH_MAP180_VPE31_0 GIC_SH_MAP181_VPE31_0	32	-	rw	
		0	rw	
GIC_SH_MAP182_VPE31_0	32	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		
	32	0	rw	
GIC_SH_MAP212_VPE31_0	-	_	rw	
GIC_SH_MAP213_VPE31_0	32	0	rw	
GIC_SH_MAP214_VPE31_0	32	0	rw	

GIC_SH_MAP215_VPE31_0	32	0	rw	
GIC_SH_MAP216_VPE31_0	32	0	rw	
GIC_SH_MAP217_VPE31_0	32	0	rw	
GIC_SH_MAP218_VPE31_0	32	0	rw	
GIC_SH_MAP219_VPE31_0	32	0	rw	
GIC_SH_MAP220_VPE31_0	32	0	rw	
GIC_SH_MAP221_VPE31_0	32	0	rw	
GIC_SH_MAP222_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_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_MAP233_VPE31_0	32	0		
GIC_SH_MAP233_VPE31_0 GIC_SH_MAP234_VPE31_0	32	0	rw	
GIC_SH_MAP234_VPE31_0 GIC_SH_MAP235_VPE31_0	32	0	rw	
0.0000000000000000000000000000000000000	_		rw	
GIC_SH_MAP236_VPE31_0	32	0	rw	
GIC_SH_MAP237_VPE31_0	32	0	rw	
GIC_SH_MAP238_VPE31_0	32	0	rw	
GIC_SH_MAP239_VPE31_0	32	0	rw	
GIC_SH_MAP240_VPE31_0	32	0	rw	
GIC_SH_MAP241_VPE31_0	32	0	rw	
GIC_SH_MAP242_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_MAP246_VPE31_0	32	0	rw	
GIC_SH_MAP247_VPE31_0	32	0	rw	
GIC_SH_MAP248_VPE31_0	32	0	rw	
GIC_SH_MAP249_VPE31_0	32	0	rw	
GIC_SH_MAP250_VPE31_0	32	0	rw	
GIC_SH_MAP251_VPE31_0	32	0	rw	
GIC_SH_MAP252_VPE31_0	32	0	rw	
GIC_SH_MAP253_VPE31_0	32	0	rw	
GIC_SH_MAP254_VPE31_0	32	0	rw	
GIC_SH_MAP255_VPE31_0	32	0	rw	
GIC_SH_MAP000_VPE63_32	32	0	rw	
GIC_SH_MAP001_VPE63_32	32	0	rw	
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_MAP010_VPE63_32	32	0	rw	
GIC_SH_MAP011_VPE63_32	32	0		
GIC_SH_MAP011_VPE63_32 GIC_SH_MAP012_VPE63_32	32	0	rw	
			rw	
GIC_SH_MAP014_VPE63_32	32	0	rw	
GIC_SH_MAP014_VPE63_32	32	0	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	rw	
GIC SH MAP034 VPE63 32	32	0		
GIC_SH_MAP035_VPE63_32	32	0	rw	
GIC_SH_MAP036_VPE63_32	32	0	rw	
GIC_SH_MAP037_VPE63_32	32	0	rw	
GIC_SH_MAP038_VPE63_32	32	0	rw	
GIC_SH_MAP039_VPE63_32	32	-	rw	
GIC_SH_MAP040_VPE63_32	32	0	rw	
	-	0	rw	
GIC_SH_MAP041_VPE63_32	32	0	rw	
GIC_SH_MAP042_VPE63_32	32	0	rw	
GIC_SH_MAP044_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	rw	
GIC_SH_MAP068_VPE63_32	32	0	rw	
GIC_SH_MAP069_VPE63_32	32	0	rw	
GIC_SH_MAP070_VPE63_32	32	0	rw	
L	-	1		·

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	rw	
GIC_SH_MAP079_VPE63_32	32	0	rw	
GIC_SH_MAP080_VPE63_32	32	0		
GIC_SH_MAP081_VPE63_32	32	0	rw	
			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	rw	
GIC_SH_MAP094_VPE63_32	32	0	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	rw	
GIC_SH_MAP108_VPE63_32	32	0	rw	
GIC_SH_MAP109_VPE63_32	32	0	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	rw	
GIC_SH_MAP122_VPE63_32	32	0	rw	
GIC_SH_MAP123_VPE63_32	32	0	rw	
GIC_SH_MAP124_VPE63_32	32	0		
GIC_SH_MAP124_VPE63_32	32	0	rw	
GIC_SH_MAP126_VPE63_32	32	0	rw rw	
G10_011_MA1 120_V1 E00_02	192	U	1 W	

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		
GIC_SH_MAP143_VPE63_32	32	0	rw	
GIC_SH_MAP144_VPE63_32	32	0	rw	
GIC_SH_MAP145_VPE63_32	32	0	rw	
GIC_SH_MAP145_VPE63_32 GIC_SH_MAP146_VPE63_32	32	0	rw	
GIC_SH_MAP146_VPE63_32 GIC_SH_MAP147_VPE63_32	32	0	rw	
		_	rw	
GIC_SH_MAP148_VPE63_32	32	0	rw	
GIC_SH_MAP149_VPE63_32	32	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	rw	
GIC_SH_MAP180_VPE63_32	32	0	rw	
GIC_SH_MAP181_VPE63_32	32	0	rw	
GIC_SH_MAP182_VPE63_32	32	0	rw	
G10_011_1/1/1 102_V1 100_02	1 92		1 44	

GICS.HMAP183.VPE63.32 32 0 rw GICS.HMAP185.VPE63.32 32 0 rw GICS.HMAP195.VPE63.32 32 0 rw GICS.HMAP190.VPE63.32 32 0 rw GICS.HMAP195.VPE63.32 32 0 rw GICS.HMAP195.VPE63.32 32 0 rw GICS.HMAP195.VPE63.32 32 0 rw GICS.HMAP195.VPE63.32 32 0 rw GICS.HMAP197.VPE63.32 32 0 rw GICS.HMAP197.VPE63.32 32 0 rw GICS.HMAP197.VPE63.32 32 0 rw GICS.HMAP198.VPE63.32 32 0 rw GICS.HMAP198.VPE63.32 32 0 rw GICS.HMAP199.VPE63.32 32 0 rw GICS.HMAP199.VPE63.32 32 0 rw GICS.HMAP190.VPE63.32 32 0 rw GICS.HMAP200.VPE63.32 32 0 rw GICS.HMAP200.VPE63.32 32 0 rw GICS.HMAP200.VPE63.32 32 0 rw GICS.HMAP204.VPE63.32 32 0 rw GICS.H					
GIC. SH.MAPJIS. VPE63.32 32 0 rw	GIC_SH_MAP183_VPE63_32	32	0	rw	
GIC.S.H.MAP188.VPE63.32 32 0 rw GIC.S.H.MAP188.VPE63.32 32 0 rw GIC.S.H.MAP188.VPE63.32 32 0 rw GIC.S.H.MAP189.VPE63.32 32 0 rw GIC.S.H.MAP199.VPE63.32 32 0 rw GIC.S.H.MAP199.VPE63.32 32 0 rw GIC.S.H.MAP199.VPE63.32 32 0 rw GIC.S.H.MAP192.VPE63.32 32 0 rw GIC.S.H.MAP193.VPE63.32 32 0 rw GIC.S.H.MAP194.VPE63.32 32 0 rw GIC.S.H.MAP194.VPE63.32 32 0 rw GIC.S.H.MAP194.VPE63.32 32 0 rw GIC.S.H.MAP195.VPE63.32 32 0 rw GIC.S.H.MAP195.VPE63.32 32 0 rw GIC.S.H.MAP195.VPE63.32 32 0 rw GIC.S.H.MAP195.VPE63.32 32 0 rw GIC.S.H.MAP196.VPE63.32 32 0 rw GIC.S.H.MAP199.VPE63.32 32 0 rw GIC.S.H.MAP199.VPE63.32 32 0 rw GIC.S.H.MAP290.VPE63.32 32 0 r	GIC_SH_MAP184_VPE63_32	32	0	rw	
GIC SH MAPIRS VPE63 32 32 0 PW GIC SH MAP 198 VPE63 32 32 0 PW GIC SH MAP 199 VPE63 32 32 0 PW GIC SH MAP 191 VPE63 32 32 0 PW GIC SH MAP 191 VPE63 32 32 0 PW GIC SH MAP 191 VPE63 32 32 0 PW GIC SH MAP 193 VPE63 32 32 0 PW GIC SH MAP 193 VPE63 32 32 0 PW GIC SH MAP 194 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 195 VPE63 32 32 0 PW GIC SH MAP 190 VPE63 32 32 0 PW GIC SH MAP 190 VPE63 32 32 0 PW GIC SH MAP 190 VPE63 32 32 0 PW GIC SH MAP 200 VPE63 32 32 0 PW	GIC_SH_MAP185_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 MAP191 VPE63 32 32 0 rw GIC SH MAP192 VPE63 32 32 0 rw GIC SH MAP193 VPE63 32 32 0 rw GIC SH MAP193 VPE63 32 32 0 rw GIC SH MAP194 VPE63 32 32 0 rw GIC SH MAP194 VPE63 32 32 0 rw GIC SH MAP195 VPE63 32 32 0 rw GIC SH MAP195 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP199 VPE63 32 32 0 rw GIC SH MAP199 VPE63 32 32 0 rw GIC SH MAP200 VPE63 32 32 0 rw GIC SH MAP210 VPE63 32 32 0 rw GIC SH MAP220 VPE63 32 32 0 rw GIC SH MAP220 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw	GIC_SH_MAP186_VPE63_32	32	0	rw	
GIC SH MAP180 VPE63 32 32 0 rw GIC SH MAP191 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 MAP195 VPE63 32 32 0 rw GIC SH MAP195 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP197 VPE63 32 32 0 rw GIC SH MAP197 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP190 VPE63 32 32 0 rw GIC SH MAP200 VPE63 32 32 0 rw GIC SH MAP210 VPE63 32 32 0 rw GIC SH MAP220 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw	GIC_SH_MAP187_VPE63_32	32	0	rw	
GIC SH MAP180 VPE63 32 32 0 rw GIC SH MAP191 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 MAP195 VPE63 32 32 0 rw GIC SH MAP195 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP196 VPE63 32 32 0 rw GIC SH MAP197 VPE63 32 32 0 rw GIC SH MAP197 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP190 VPE63 32 32 0 rw GIC SH MAP200 VPE63 32 32 0 rw GIC SH MAP210 VPE63 32 32 0 rw GIC SH MAP220 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw GIC SH MAP230 VPE63 32 32 0 rw	GIC_SH_MAP188_VPE63_32	32	0	rw	
GIC SH MAP191 VPP63 32 32 0 rw GIC SH MAP193 VPP63 32 32 0 rw GIC SH MAP194 VPE63 32 32 0 rw GIC SH MAP195 VPE63 32 32 0 rw GIC SH MAP195 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 MAP198 VPE63 32 32 0 rw GIC SH MAP198 VPE63 32 32 0 rw GIC SH MAP200 VPE63 32 32 0 rw GIC SH MAP20 VPE63 32 32 0 rw GIC SH MAP21 VPE63 32 32 0 rw GIC SH MAP23 VPE		32	0	rw	
GIC SH MAP191 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 MAP195 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 MAP198 VPE63.32 32 0 rw GIC SH MAP298 VPE63.32 32 0 rw GIC SH MAP200 VPE63.32 32 0 rw GIC SH MAP20 VPE63.32 32 0 rw GIC SH MAP21 VPE63.32 32 0 rw GIC SH MAP214 VPE63.32 32 0 rw GIC SH MAP215 VPE63.32 32 0 rw GIC SH MAP210 VPE63.32 32 0 rw GIC SH MAP230 V	GIC_SH_MAP190_VPE63_32	32	0	rw	
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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 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP237_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_MAP231_VPE63_32 32 0 rw GIC_SH_MAP232_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP237_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_MAP231_VPE63_32 32 0 rw GIC_SH_MAP232_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP237_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 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP237_VPE63_32 32 0 rw					
GIC_SH_MAP230_VPE63_32 32 0 rw GIC_SH_MAP231_VPE63_32 32 0 rw GIC_SH_MAP231_VPE63_32 32 0 rw GIC_SH_MAP232_VPE63_32 32 0 rw GIC_SH_MAP233_VPE63_32 32 0 rw GIC_SH_MAP234_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP235_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP236_VPE63_32 32 0 rw GIC_SH_MAP237_VPE63_32 32 0 rw		_			
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GIC_SH_MAP235_VPE63_32					
GIC_SH_MAP236_VPE63_32		_	_	rw	
GIC_SH_MAP237_VPE63_32				rw	
		-		rw	
CIC SH MAP238 VPE63 32 32 0 mur				rw	
GIO_DII_MI 200_VI E00_02	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	rw	
GIC_SH_MAP254_VPE63_32	32	0		
GIC_SH_MAP255_VPE63_32	32	0	rw	
GIC_SH_MAP255_VPE65_52 GIC_VB_DINT_SEND	32	-	rw	
	_	0	-w	
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	ffffff	rw	
GIC_VPE_EICSS00	32	0		
GIC_VPE_EICSS00	32	0	rw	
			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_EICSS11	32	0	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	
	32	0	rw	
GIC_VPE_EICSS18				

GIC.VPE.EICSS19 GIC.VPE.EICSS21 GIC.VPE.EICSS21 GIC.VPE.EICSS22 GIC.VPE.EICSS22 GIC.VPE.EICSS22 GIC.VPE.EICSS23 GIC.VPE.EICSS24 GIC.VPE.EICSS24 GIC.VPE.EICSS25 GIC.VPE.EICSS25 GIC.VPE.EICSS25 GIC.VPE.EICSS25 GIC.VPE.EICSS25 GIC.VPE.EICSS26 GIC.VPE.EICSS27 GIC.VPE.EICSS27 GIC.VPE.EICSS28 GIC.VPE.EICSS28 GIC.VPE.EICSS29 GIC.VPE.EICSS29 GIC.VPE.EICSS28 GIC.VPE.EICSS30 GIC.VPE.EICSS30 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS33 GIC.VPE.EICSS34 GIC.VPE.EICSS34 GIC.VPE.EICSS34 GIC.VPE.EICSS34 GIC.VPE.EICSS34 GIC.VPE.EICSS34 GIC.VPE.EICSS36 GIC.VPE.EICSS36 GIC.VPE.EICSS37 GIC.VPE.EICSS37 GIC.VPE.EICSS37 GIC.VPE.EICSS37 GIC.VPE.EICSS37 GIC.VPE.EICSS37 GIC.VPE.EICSS38 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS31 GIC.VPE.EICSS40 GIC.VPE.EICSS40 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS41 GIC.VPE.EICSS43 GIC.VPE.EICSS43 GIC.VPE.EICSS43 GIC.VPE.EICSS43 GIC.VPE.EICSS44 GIC.VPE.EICSS45 GIC.VPE.EICSS45 GIC.VPE.EICSS45 GIC.VPE.EICSS45 GIC.VPE.EICSS46 GIC.VPE.EICSS46 GIC.VPE.EICSS47 GIC.VPE.EICSS48 GIC.VPE.EICSS48 GIC.VPE.EICSS49 GIC.VPE.EICSS550 GIC.VPE.EICSS550 GIC.VPE.EICSS550 GIC.VPE.EICSS555 GIC.VPE.EICSS555 GIC.VPE.EICSS555 GIC.VPE.EICSS555 GIC.VPE.EICSS555 GIC.VPE.EICSS555 GIC.VPE.EICSS555
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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.EICSS31 32 0 rw GIC.VPE.EICSS31 32 0 rw GIC.VPE.EICSS33 32 0 rw GIC.VPE.EICSS33 32 0 rw GIC.VPE.EICSS33 32 0 rw GIC.VPE.EICSS33 32 0 rw GIC.VPE.EICSS34 32 0 rw GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS36 32 0 rw GIC.VPE.EICSS37 32 0 rw GIC.VPE.EICSS38 32 0 rw GIC.VPE.EICSS38 32 0 rw GIC.VPE.EICSS38 32 0 rw GIC.VPE.EICSS38 32 0 rw GIC.VPE.EICSS39 32 0 rw GIC.VPE.EICSS39 32 0 rw GIC.VPE.EICSS40 32 0 rw GIC.VPE.EICSS40 32 0 rw GIC.VPE.EICSS41 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.EICSS48 32 0 rw GIC.VPE.EICSS48 32 0 rw GIC.VPE.EICSS54 32 0 rw GIC.VPE.EICSS55 32 0 rw
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GIC.VPE.EICSS28 32 0 rw GIC.VPE.EICSS30 32 0 rw GIC.VPE.EICSS31 32 0 rw GIC.VPE.EICSS31 32 0 rw GIC.VPE.EICSS32 32 0 rw GIC.VPE.EICSS32 32 0 rw GIC.VPE.EICSS33 32 0 rw GIC.VPE.EICSS34 32 0 rw GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS36 32 0 rw GIC.VPE.EICSS37 32 0 rw GIC.VPE.EICSS38 32 0 rw GIC.VPE.EICSS39 32 0 rw GIC.VPE.EICSS39 32 0 rw GIC.VPE.EICSS39 32 0 rw GIC.VPE.EICSS40 32 0 rw GIC.VPE.EICSS41 32 0 rw GIC.VPE.EICSS43 32 0 rw GIC.VPE.EICSS44 32 0 rw GIC.VPE.EICSS44 32 0 rw GIC.VPE.EICSS44 32 0 rw GIC.VPE.EICSS45 32 0 rw GIC.VPE.EICSS45 32 0 rw GIC.VPE.EICSS45 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.EICSS48 32 0 rw GIC.VPE.EICSS55 32 0 rw GIC.VPE.EICSS56 32 0 rw GIC.VPE.EICSS56 32 0 rw GIC.VPE.EICSS56 32 0 rw
GIC.VPE.EICSS29 32 0
GIC.VPE.EICSS30
GIC.VPE.EICSS30 32 0 rw
GIC.VPE.EICSS31 32 0 rw
GIC.VPE.EICSS32 32
GIC.VPE.EICSS34 32
GIC.VPE.EICSS34 32 0 rw GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS36 32 0 rw GIC.VPE.EICSS37 32 0 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.EICSS50 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS54
GIC.VPE.EICSS35 32 0 rw GIC.VPE.EICSS36 32 0 rw GIC.VPE.EICSS37 32 0 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.EICSS50 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS54 32 0 rw GIC.VPE.EICSS55
GIC_VPE_EICSS36 32 0 rw GIC_VPE_EICSS37 32 0 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_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
GIC_VPE_EICSS37 32 0 rw GIC_VPE_EICSS38 32 0 rw GIC_VPE_EICSS49 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_EICSS53 32 0 rw GIC_VPE_EICSS54 32 0 rw GIC_VPE_EICSS54 32 0 rw GIC_VPE_EICSS55 32 0 rw GIC_VPE_EICSS55
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_EICSS53 32 0 rw GIC_VPE_EICSS54 32 0 rw GIC_VPE_EICSS55 32 0 rw GIC_VPE_EICSS56 32 0 rw GIC_VPE_EICSS56
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.EICSS49 32 0 rw GIC.VPE.EICSS50 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS52 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS55 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.EICSS48 32 0 rw GIC.VPE.EICSS49 32 0 rw GIC.VPE.EICSS49 32 0 rw GIC.VPE.EICSS50 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS51 32 0 rw GIC.VPE.EICSS52 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS53 32 0 rw GIC.VPE.EICSS55 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_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_EICSS57 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_EICSS50 32 0 rw GIC_VPE_EICSS51 32 0 rw GIC_VPE_EICSS52 32 0 rw GIC_VPE_EICSS53 32 0 rw GIC_VPE_EICSS53 32 0 rw GIC_VPE_EICSS53 32 0 rw GIC_VPE_EICSS55 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_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_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_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_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_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_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_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_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_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_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_EICSS54 32 0 rw GIC_VPE_EICSS55 32 0 rw GIC_VPE_EICSS56 32 0 rw GIC_VPE_EICSS57 32 0 rw
GIC_VPE_EICSS55 32 0 rw GIC_VPE_EICSS56 32 0 rw GIC_VPE_EICSS57 32 0 rw
GIC_VPE_EICSS56 32 0 rw GIC_VPE_EICSS57 32 0 rw
GIC_VPE_EICSS56 32 0 rw GIC_VPE_EICSS57 32 0 rw
GIC_VPE_EICSS57 32 0 rw
GIC_VPE_EICSS58
GIC_VPE_EICSS59 32 0 rw
GIC_VPE_EICSS60 32 0 rw
GIC_VPE_EICSS61 32 0 rw
GIC_VPE_EICSS62 32 0 rw
CIC LIDE FICCOS
GIG II. DIVE DADE
GIG G PRI GROVE
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

CALCULAR DEPENDENCE ALLE	T 00		T	
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		
GIC-VFE-EICSS11	32	0	rw	
GIC_VFE_EICSS12	32	0	rw	
GIC_VPE_EICSS13 GIC_VPE_EICSS14	32	-	rw	
		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_EICSS33	32	0	rw	
GIC_VPE_EICSS34	32	0	rw	
GIC_VPE_EICSS35	32	0	rw	
GIC-VPE-EICSS36	32	0	rw	
GIC_VPE_EICSS37	32	0	rw	
GIC_VPE_EICSS38	32	0	rw	
GIC_VPE_EICSS39	32	0		
GIC_VPE_EICSS39 GIC_VPE_EICSS40	32	0	rw	
GIC_VPE_EICSS40 GIC_VPE_EICSS41	32	0	rw	
		-	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