



MIPS RISC Microprocessors

MIPS® Product Line Card

PROCESSOR	PRODUCT TYPE	MIPS ISA	MIPS ASE	CLOCK FREQUENCY	PIPELINE TO BUS CLOCK FREQUENCY	MAXIMUM MIPS	INSTR CACHE (KB)	INSTR CACHE ATTRIBUTES	DATA CACHE (KB)	DATA CACHE ATTRIBUTES	L2/L3 CACHE SUPPORT	FLOATING-POINT UNIT	FLOATING-POINT PERFORMANCE	WATTS	VOLTS	PROCESS	PACKAGE
R3041	32-bit RISC	I	—	16 / 20 / 25 / 33	1	23.5	2	Direct Mapped	0.5	Direct Mapped, Write Thru	NO	NO	—	1.4	5	0.5µ	84-PLCC, 100-TQFP
RV3041	32-bit RISC	I	—	16 / 20 / 25 / 33	1	23.5	2	Direct Mapped	0.5	Direct Mapped, Write Thru	NO	NO	—	0.6	3.3	0.5µ	84-PLCC, 100-TQFP
R3051	32-bit RISC	I	—	25 / 33 / 40	1	47	4	Direct Mapped	2	Direct Mapped, Write Thru	NO	NO	—	2.5	5	0.6µ	84-PLCC
R3052	32-bit RISC	I	—	25 / 33 / 40	1	47	8	Direct Mapped	2	Direct Mapped, Write Thru	NO	NO	—	2.5	5	0.6µ	84-PLCC, 84-MQUAD
R3081	32-bit RISC	I	—	40 / 50	1, 2	56.3	16	Direct Mapped	4	Direct Mapped, Write Thru	NO	Single / Double	25 MFLOPS	2.5	5	0.5µ	84-MQUAD
RV3081	32-bit RISC	I	—	20 / 25 / 33 / 40	1, 2	47	16	Direct Mapped	4	Direct Mapped, Write Thru	NO	Single / Double	25 MFLOPS	1.3	3.3	0.5µ	100-TQFP, 84-MQUAD
R36100	32-bit RISC	I	—	20 / 25 / 33	1	31	4	Direct Mapped	1	Direct Mapped, Write Thru	NO	NO	—	2.4	5	0.5µ	208-MQUAD
R4640	64-bit RISC	III	—	100 / 133	2, 3, 4, 5, 6, 7, 8	175	8	2-Way Assoc	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	3	5	0.5µ	128-MQUAD
RV4640	64-bit RISC	III	—	100 / 133 / 150 / 180	2, 3, 4, 5, 6, 7, 8	236	8	2-Way Assoc	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2	3.3	0.4µ	128-MQUAD
R4650	64-bit RISC	III	—	100 / 133	2, 3, 4, 5, 6, 7, 8	175	8	2-Way Assoc	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	3.1	5	0.5µ	208-MQUAD
RV4650	64-bit RISC	III	—	100 / 133 / 150 / 180	2, 3, 4, 5, 6, 7, 8	236	8	2-Way Assoc	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2.1	3.3	0.4µ	208-MQUAD
R4700	64-bit RISC	III	—	100 / 133	2, 3, 4, 5, 6, 7, 8	175	16	2-Way Assoc	16	2-Way Assoc, Write Thru / Back	NO	Single / Double	66.5 MFLOPS	5.8	5	0.45µ	208-MQUAD
RV4700	64-bit RISC	III	—	100 / 133 / 150 / 175 / 200	2, 3, 4, 5, 6, 7, 8	260	16	2-Way Assoc	16	2-Way Assoc, Write Thru / Back	NO	Single / Double	100 MFLOPS	4.7	3.3	0.35µ	208-MQUAD
RV5000	64-bit RISC	IV	—	180 / 200	2, 3, 4, 5, 6, 7, 8	260	32	2-Way Assoc	32	2-Way Assoc, Write Thru / Back	L2	Single / Double	400 MFLOPS	<6	3.3	0.35µ	272-SBGA

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ATMizer I	32-bit ASSP	I	—	33	Call Factory	33	0	2-Way Assoc, Write Thru / Back	4	Direct Mapped	NO	NO	—	4	5	0.6µ	208-MQFP
ATMizer II	32-bit ASSP	II	—	66	Call Factory	90	8	2-Way Assoc, Write Thru / Back	4	Direct Mapped	NO	NO	—	5	3.3	0.5µ	240-MQUAD
L64008 Integra	32-bit ASSP	II	—	54	Call Factory	54	2	2-Way Assoc, Write Thru / Back	2	Direct Mapped	NO	NO	—	2	3.3	0.5µ	240-PQFP
DCAM	32-bit RISC	II	—	54	Call Factory	54	2	Direct Mapped	25	Direct Mapped	NO	NO	—	0.6	3.3	0.35µ	256-TQFP, 256-PQFP
MR4001	32-bit RISC	II	—	60	1, 2	53	2	2-Way Assoc, Write Thru / Back	1	Direct Mapped	NO	NO	—	1	3.3	0.5µ	100-TQFP
MR4003	32-bit RISC	II	—	81	1, 2	70	2	2-Way Assoc, Write Thru / Back	2	Direct Mapped	NO	NO	—	0.5	3.3	0.35µ	100-TQFP
MR4010	32-bit RISC	II	—	66	2, 4	120	16	2-Way Assoc, Write Thru / Back	16	Direct Mapped	NO	NO	—	5	3.3	0.5µ	299-CPGA
EV4101	16/32-bit RISC	II	MIPS16	81	1, 2	70	16	2-Way Assoc, Write Thru / Back	8	Direct Mapped	NO	NO	—	0.5	3.3	0.35µ	100-TQFP
LR4500	32-bit RISC	II	—	100	2, 4	150	8	2-Way Assoc, Write Thru / Back	8	2-Way Assoc	NO	NO	—	5	3.3	0.35µ	256-PQFFT

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VR4100	64-bit RISC	III	—	40	1, 2	45	2	Direct Mapped	1	Direct Mapped	NO	NO	—	0.12	3.3	0.35µ	100-TQFP
VR4101	64-bit RISC	III	—	33	1, 2	37	2	Direct Mapped	1	Direct Mapped	NO	NO	—	0.25	3.3	0.35µ	160-LQFP
VR4102	64-bit RISC	III	—	66	1, 2	74	4	Direct Mapped	1	Direct Mapped	NO	NO	—	0.25	3.3	0.35µ	216-TQFP
VR4300	64-bit RISC	III	—	100 / 133	1.5, 2, 3, 4	177	16	Direct Mapped	8	Direct Mapped	NO	Single / Double	133 MFLOPS	1.8 / 2.2	3.3	0.35µ	120-PQFP
VR4310	64-bit RISC	III	—	100 / 133 / 167	1.5, 2, 3, 4, 5, 6	210	16	Direct Mapped	8	Direct Mapped	NO	Single / Double	167 MFLOPS	2.2	3.3	0.25µ	120-PQFP
VR4400	64-bit RISC	III	—	250	2, 3, 4, 5, 6, 7, 8	250	16	2-Way Assoc	16	2-Way Assoc, Write Thru / Back	L2	Single / Double	250 MFLOPS	10	3.45	0.35µ	447-PGA
VR5000	64-bit RISC	IV	—	150 / 180 / 200	2, 3, 4, 5, 6, 7, 8	260	32	2-Way Assoc	32	2-Way Assoc	L2	Single / Double	400 MFLOPS	<6	3.3	0.35µ	272-ABGA
VR10000	64-bit RISC	IV	—	200	1, 1.5, 2, 2.5, 3, 3.5, 4	800	32	2-Way Assoc	32	2-Way Assoc	L2	Single / Double	1200 MFLOPS	30	3.3	0.35µ	599-CLGA

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NR3700	32-bit RISC	I	—	40	1, 2, 3, 4	40	4	Direct Mapped, Write Thru	1	Direct Mapped, Write Thru	NO	NO	—	0.5	3.3	0.5µ	CORE
NR4645L	64-bit RISC	III	—	100 / 133 / 167	2, 3, 4, 5, 6, 7, 8	220	8	2-Way Assoc, Write Thru / Back	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2	3.3	0.45µ	128-MQUAD
NR4645M	64-bit RISC	III	—	100 / 133 / 167	2, 3, 4, 5, 6, 7, 8	220	8	2-Way Assoc, Write Thru / Back	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2	3.3	0.45µ	128-MQUAD
NR4650L	64-bit RISC	III	—	100 / 133 / 167	2, 3, 4, 5, 6, 7, 8	220	8	2-Way Assoc, Write Thru / Back	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2	3.3	0.45µ	208-MQUAD
NR4650G	64-bit RISC	III	—	100 / 133 / 167	2, 3, 4, 5, 6, 7, 8	220	8	2-Way Assoc, Write Thru / Back	8	2-Way Assoc, Write Thru / Back	NO	Single	44 MFLOPS	2	3.3	0.45µ	208-MQUAD
NR4700	64-bit RISC	III	—	100 / 133 / 150 / 175	2, 3, 4, 5, 6, 7, 8	230	16	2-Way Assoc, Write Thru / Back	16	2-Way Assoc, Write Thru / Back	NO	Single / Double	87.5 MFLOPS	4.5	3.3	0.45µ	208-MQUAD, 179-PGA
NR5000	64-bit RISC	IV	—	180 / 200	2, 3, 4, 5, 6, 7, 8	260	32	2-Way Assoc, Write Thru / Back	32	2-Way Assoc, Write Thru / Back	NO	Single / Double	400 MFLOPS	5	3.3	0.45µ	272-SBGA

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PR3001	32-bit RISC	II	—	40	1	50	4	Direct Mapped, Write Thru	1	Direct Mapped, Write Thru	NO	NO	—	0.16	3.3	0.35µ	CORE
PR31500	32-bit RISC	II	—	38	1	38	4	Direct Mapped, Write Thru	1	2-Way Assoc	NO	NO	—	0.35	3.3	0.5µ	LQFP-208
PR31700	32-bit RISC	II	—	75	2	75	4	Direct Mapped, Write Thru	1	2-Way Assoc	NO	NO	—	0.35	3.3	0.35µ	LQFP-208

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R5000	64-bit CORE	IV	—	250	2, 3, 4, 5, 6, 7, 8	352	32	2-Way Assoc, Write Thru / Back	32	2-Way Assoc, Write Thru / Back	L2	Single / Double	500-MFLOPS	5.2	3.3	0.35µ	272-SBGA
RM5230	64-bit RISC	IV	—	100 / 133 / 150 / 175	2, 3, 4, 5, 6, 7, 8	230	16	2-Way Assoc, Write Thru / Back	16	2-Way Assoc, Write Thru / Back	NO	Single / Double	350-MFLOPS	2.5	3.3	0.35µ	128-Power Quad 4
RM5260	64-bit RISC	IV	—	133 / 150 / 175 / 200	2, 3, 4, 5, 6, 7, 8	260	16	2-Way Assoc, Write Thru / Back	16	2-Way Assoc, Write Thru / Back	NO	Single / Double	400-MFLOPS	3.5	3.3	0.35µ	208-Power Quad 4
RM5270	64-bit RISC	IV	—	150 / 175 / 200	2, 3, 4, 5, 6, 7, 8	260	16	2-Way Assoc, Write Thru / Back	16	2-Way Assoc, Write Thru / Back	L2	Single / Double	400-MFLOPS	4	3.3	0.35µ	304-SBGA
RM7000	64-bit RISC	IV	—	250 / 300	2, 2.5, 3, 3.5, 4, 5, 6, 7, 8	500	16	4-Way Assoc, Write Thru / Back	16	4-Way Assoc, Write Thru / Back	L2 On Chip / L3	Single / Double	600-MFLOPS	5.5	2.5 / 3.3	0.25µ	304-SBGA

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TX19	32-bit CORE	II	MIPS16	20	1, 2, 3, 4	20	4	2-Way Assoc	1	2-Way Assoc	NO	NO	—	0.4	3.3	0.35µ	CORE
TX1904	32-bit RISC	II	MIPS16	20	1, 2, 3, 4	20	4	2-Way Assoc	1	2-Way Assoc	NO	NO	—	0.4	3.3	0.35µ	160-PQFP
TX39	32-bit CORE	II	—	50	1, 2, 3, 4	70	4 or 8	Direct Mapped	1 or 4	Direct Mapped, Write Thru	NO	NO	—	0.4	3.3	0.33µ	CORE
TX3901	32-bit RISC	II	—	50	1, 2, 3, 4	50	4	Direct Mapped	1	Direct Mapped, Write Thru	NO	NO	—	0.6	3.3	0.33µ	160-PQFP
TX3903	32-bit RISC	II	—	50	1, 2, 3, 4	50	4	Direct Mapped	1	Direct Mapped, Write Thru	NO	NO	—	0.8	3.3	0.33µ	280-PQFP
TX3904	32-bit RISC	II	—	50	1, 2, 3, 4	50	16	Direct Mapped	1	Direct Mapped, Write Thru	NO	NO	—	0.8	3.3	0.33µ	280-PQFP
TX4300	64-bit RISC	III	—	100 / 133	1.5, 2, 3, 4	177	16	Direct Mapped	8	Direct Mapped	NO	Single / Double	133 MFLOPS	1.8 / 2.2	3.3	0.35µ	120-PQFP
TX4400	64-bit RISC	III	—	250	2, 3, 4, 5, 6, 7, 8	250	16	2-Way Assoc	16	2-Way Assoc	L2	Single / Double	250 MFLOPS	10	3.45	0.35µ	447-PGA
TX4600	64-bit RISC	III	—	100 / 133	2, 3, 4, 5, 6, 7, 8	175	16	2-Way Assoc	16	2-Way Assoc	NO	YES	66.5MFLOPS	3.8	3.3	0.33µ	179-PGA, 208-PQFP

Product Description	R30XX	R40XX	R50XX	R70XX	R10000	Company	Phone	Web site
ADA DEVELOPMENT TOOLS								
ADA Compiler	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
VADS—Ada Cross Compiler System	●	●	●	●	●	Rational Software Corp.	(408) 496-3600	www.rational.com
Ada Compiler Systems	●	●	●	●	●	TLD Systems	(604) 272-6000	www.tld.com
COMPILERS								
GNU and Toolkit for IRT R30xx/tex	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
GNU and Toolkit for LSI Logic CW4000/CW401X	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
CNU-C and Toolkit	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
C, C++, and FORTRAN 77 Compilers	●	●	●	●	●	Apogee Software	(408) 369-9017	www.apogee.com
GNU/Pro	●	●	●	●	●	Cygnus Support	(408) 542-4000	www.cygnum.com
CEK—Software Cross Development Tools	●	●	●	●	●	Embedded Performance, Inc.	(408) 434-2210	www.episupport.com
CEK4K—Software Cross Development Tools	●	●	●	●	●	Embedded Performance, Inc.	(408) 434-2210	www.episupport.com
C Compiler	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
C++ Compiler	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
FORTRAN Compiler	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
Parallel Compilers	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
IDTc Multi-Host GNU C-Compiler	●	●	●	●	●	Integrated Device Technology	(800) 345-7015	www.idt.com
CodWarrior for MIPS Embedded Systems	●	●	●	●	●	MetroWerks	(512) 873-4700	www.metrowerks.com
Visual C++ for Windows CE	●	●	●	●	●	Microsoft Corp.	(425) 882-8080	www.microsoft.com/WindowsCE
C, C++ Compilers	●	●	●	●	●	Tasking	(800) 458-8276	www.tasking.com
DEBUGGERS								
Nucleus DBG/DEBUG+ Multitasking Debugger	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
Nucleus UDB	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
UDB—Universal Source Level Debugger	●	●	●	●	●	Case Tools, Inc.	(408) 685-0336	www.case-tools.com
C/C++ Source Level Debugger	●	●	●	●	●	Embedded Performance, Inc.	(408) 434-2210	www.episupport.com
MULTI Source Level Debugger	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
MIPS/PRO Monitor and C-Run-Time Library	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
CrossView Debugger	●	●	●	●	●	Tasking	(800) 458-8276	www.tasking.com
NETWORK SUPPORT TOOLS								
Nucleus POSE Network for Embedded Applications	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
I-Net/43 PRO RISC Processor for Internetworking	●	●	●	●	●	Smart Technologies	(510) 823-1231	www.smart.com
USNET Real-Time Embedded Networking	●	●	●	●	●	US Software	(503) 641-8446	www.usw.com
PAGE DESCRIPTION LANGUAGES								
MacrosType	●	●	●	●	●	Agfa Du./Bear Corp.	(508) 658-0910 • 2015	www.agfahome.com
Universal Font Scaling Technology	●	●	●	●	●	Agfa Du./Bear Corp.	(508) 658-0910 • 2015	www.agfahome.com
Adobe Postscript Software	●	●	●	●	●	Adobe Systems, Inc.	(408) 536-6000	www.adobe.com
Blohm PSC Software	●	●	●	●	●	Blohm/Berantny GmbH	490 410 38760	www.blohm.de
Color Image Controllers	●	●	●	●	●	Personal Computer Products	(619) 485-8411	www.pcp-llc.com
Laser Image 4300 Controllers	●	●	●	●	●	Personal Computer Products	(619) 485-8411	www.pcp-llc.com
Laser Image Turbo Print 4300 Controllers	●	●	●	●	●	Personal Computer Products	(619) 485-8411	www.pcp-llc.com
PowerPage PCL 5/5c/5e	●	●	●	●	●	Pipeline Associates, Inc.	(973) 428-1700	www.powerpage.com
PRINTER SYSTEMS SUPPORT								
The Doc Imaging System	●	●	●	●	●	Bitstream	(617) 497-6222	www.bitstream.com
JAWS PostScript Level 2 Interpreter	●	●	●	●	●	5D Software, Ltd.	011 44 1483 428 425	www.five-d.com
REAL-TIME OPERATING SYSTEMS								
Nucleus PLUS—Real-Time Multitasking OS	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
QUITUS—Quick Immediate Time OS	●	●	●	●	●	Advanced Real-Time Systems	+33 3435 80900	www.arts.com
ClassX Execution and Development Environment	●	●	●	●	●	Chorus Systems	(408) 878-1250	www.chorus.com
CMX RTOS	●	●	●	●	●	CMX Company	(800) 872-7675	www.cmx.com
veLOsity and INTEGRITY	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
Multi Delay Servers for RTOS	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
postSystem MIPS—Embedded Development	●	●	●	●	●	Integrated Systems, Inc.	(800) 343-8235	www.isi.com
C Executive	●	●	●	●	●	JMI Software Systems	(215) 628-0840	www.jmi.com
PSX	●	●	●	●	●	JMI Software Systems	(215) 628-0840	www.jmi.com
CE-DOS File	●	●	●	●	●	JMI Software Systems	(215) 628-0840	www.jmi.com
CE-View	●	●	●	●	●	JMI Software Systems	(215) 628-0840	www.jmi.com
CE-TCP	●	●	●	●	●	JMI Software Systems	(215) 628-0840	www.jmi.com
AMX3000—Real-Time Multitasking Kernel	●	●	●	●	●	KADAK Products, Ltd.	(0041) 734-2766	www.kadak.com
Windows CE	●	●	●	●	●	Microsoft Corp.	(425) 882-8080	www.microsoft.com/WindowsCE
Enhanced OS-9 for MIPS	●	●	●	●	●	Microvare Systems Corp.	(515) 223-8000	www.microvare.com
MXQ R3000	●	●	●	●	●	Tasking	(800) 458-8276	www.tasking.com
UniWare—SYNRMIPS Binary Porting Kit	●	●	●	●	●	UNISYS Corp.	(904) 926-3388	www.unisys.com
SuperTask—RTOS Suite for R3000/R4000	●	●	●	●	●	US Software	(503) 641-8446	www.usw.com
VaWorks—Integrated Cross Development Environment	●	●	●	●	●	Wind River Systems, Inc.	(510) 748-4100	www.wrs.com
SIMULATION TOOLS and MODELS								
Nucleus Simulation Framework (VSF)	●	●	●	●	●	CAE Technology, Inc.	(800) 547-3000	www.mentor.com
Virtual-CPU Co-Verification Environment	●	●	●	●	●	Simulation Technology	(612) 631-8858	www.slimtech.com
R3000 Core	●	●	●	●	●	Mentor Graphics	(800) 547-3000	www.mentor.com
R40XX and R5000 Core	●	●	●	●	●	Mentor Graphics	(800) 547-3000	www.mentor.com
RM5230 and RM5260 Bus Functional Model	●	●	●	●	●	Mentor Graphics	(800) 547-3000	www.mentor.com
RM5230 HW Model	●	●	●	●	●	Synopsys	(650) 960-5000	www.synopsys.com
MiniRISC (SVI) System Verification Environment	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
MonSIM: TrueSIM Instruction Set Simulator	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
VHDL Models for the R2001 RISC Processors	●	●	●	●	●	Papillon Research Corp.	(508) 371-9115	www.papillonres.com/~papillon
RXR/RXD Chipset	●	●	●	●	●	Papillon Research Corp.	(508) 371-9115	www.papillonres.com/~papillon
Synopsis Logic Modelling	●	●	●	●	●	Synopsys	(650) 960-5000	www.synopsys.com
SOFTWARE DEVELOPMENT TOOLS								
Nucleus PC Development Environment	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
Applied Microsystems Corp.	●	●	●	●	●	Applied Microsystems Corp.	(800) 426-3925	www.amc.com
CodeTEST—Embedded Software Verification Code	●	●	●	●	●	Applied Microsystems Corp.	(800) 426-3925	www.amc.com
Instruction Set Simulator ISS4K	●	●	●	●	●	Embedded Performance, Inc.	(408) 434-2210	www.episupport.com
RSS/MON	●	●	●	●	●	Embedded Performance, Inc.	(408) 434-2210	www.episupport.com
MonServer Debug Server & MonMips ROM Monitor	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
MULTI Development Environment	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
MULTI Error Checking	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
MULTI Execution Profiler	●	●	●	●	●	Green Hills Software, Inc.	(805) 965-6044	www.ghs.com
IDT System Integration Manager	●	●	●	●	●	Integrated Device Technology	(800) 345-7015	www.idt.com
MIPS PROM Monitor	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
MIPS PROM Monitor	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
CodWarrior for MIPS Embedded Systems	●	●	●	●	●	MetroWerks	(512) 873-4700	www.metrowerks.com
Windows CE Software Development Kit	●	●	●	●	●	Microsoft Corp.	(425) 882-8080	www.microsoft.com/WindowsCE
FastTrak—Software Development Environment	●	●	●	●	●	Microvare Systems Corp.	(515) 223-8000	www.microvare.com
Interbus P-VCS	●	●	●	●	●	Synerex	(800) 635-7300	www.synerex.com
Interbus P-VCS Configuration Builder	●	●	●	●	●	Synerex	(800) 635-7300	www.synerex.com
EDE	●	●	●	●	●	Tasking	(800) 458-8276	www.tasking.com
Check++ Runtime Error Checking	●	●	●	●	●	VisionSoft Corp.	(408) 879-2672	www.vsonline.com
Test—Software Quality Analysis	●	●	●	●	●	VisionSoft Corp.	(408) 879-2672	www.vsonline.com

Product Description	R30XX	R40XX	R50XX	R70XX	R10000	Company	Phone	Web site
SOFTWARE DEVELOPMENT TOOLS (continued)								
Stethoscope—Real-Time Tools for Tornado & VAWorks	●	●	●	●	●	Wind River Systems, Inc.	(510) 748-4100	www.wrs.com
TORNADO Integrated Development Environment	●	●	●	●	●	Wind River Systems, Inc.	(510) 748-4100	www.wrs.com
WINDVIEW—System Visualizer of Embedded Software	●	●	●	●	●	Wind River Systems, Inc.	(510) 748-4100	www.wrs.com
SOFTWARE LIBRARIES								
Nucleus Library	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
Nucleus NET—TCP/IP Protocol Stack	●	●	●	●	●	Accelerated Technology, Inc.	(800) 488-6853	www.atimux.com
IDTKit—Kernel Integration Toolkit	●	●	●	●	●	Integrated Device Technology	(800) 345-7015	www.idt.com
Optimized Floating-Point Emulation Library	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
Run-Time C Function Library	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
Standard Floating-Point Emulation Library	●	●	●	●	●	LSI Logic Corp.	(408) 433-8000	www.lsi.com
USLIBS—DOS File Systems for the R3000/R4000 Family	●	●	●	●	●	US Software	(503) 641-8446	www.usw.com
USNET—TCP/IP Software for the R3000/R4000 Family	●	●	●	●	●	US Software	(503) 641-8446	www.usw.com
DataVision—C, C++, JAVA Embedded Database	●	●	●	●	●	VisionSoft Corp.	(408) 879-2672	www.vsonline.com
SUPPORT COMPONENTS								
GT-3201 Single Chip System Controller	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
ND 5000/400 400 PCI Chipset	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
GT-8400 R4000/4650/4700 S001 PCI System Controller	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
GT-8401 Single Chip PCI System Controller for R4640	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
GT-8401 for RM5230	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
GT-8402 R4000/4650/4700 Secondary Cache Controller	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
GT-8410	●	●	●	●	●	Galileo Technology, Inc.	(408) 451-3400	www.galileo.com
WINNet-VL R4600 and WINNet PCI R4600	●	●	●	●	●	Mentor ARC, Inc.	(510) 656-0100	jason@marc.mal.com
VHDL Models for R3041/51/61 Family of RISC Processors	●	●	●	●	●	Papillon Research	(508) 371-9115	www.papillonres.com/~papillon
UCH3200 Multi-Analog Function Companion IC	●	●	●	●	●	Philips Semiconductors	(408) 991-3055	www.semiconductors.philips.com
X TERMINAL SUPPORT								
XotWare ATX	●	●	●	●	●	Netmanage	(619) 755-1000	www.netmanage.com
Metro-X	●	●	●	●	●	Metro Link Incorporated	(954) 938-0283	www.metrolink.com
EVALUATION BOARDS								
P-4000—R4640 Single Board Computer	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
P-4032—R4640/VR4000 Single Board Computer	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
P-4032c for RM5230	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
P-5064—R5000 Single Board Computer	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
P-5064 for RM5260/RM5270	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
P-5000—R4000 Single Board Computer	●	●	●	●	●	Algorithmics, Ltd.	+44 171 392 2111	www.algorithmics.com
RM5230 Upgrade to Galileo Technology, G-9EBV	●	●	●	●	●	QED	(408) 965-0377	www.qedinc.com
RM5260 Adaptor for Galileo Technology, G-4EBV	●	●	●	●	●	QED	(408) 965-0377	www.qedinc.com
Modular Architecture	●	●	●	●	●	Cogent Engineering	(508) 278-9400	www.cogent.com
DVE-R4000/20 VMEbus RISC Processor Board	●	●	●	●				



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◆ LSI LOGIC CORPORATION

■ NEC ELECTRONICS, INC.

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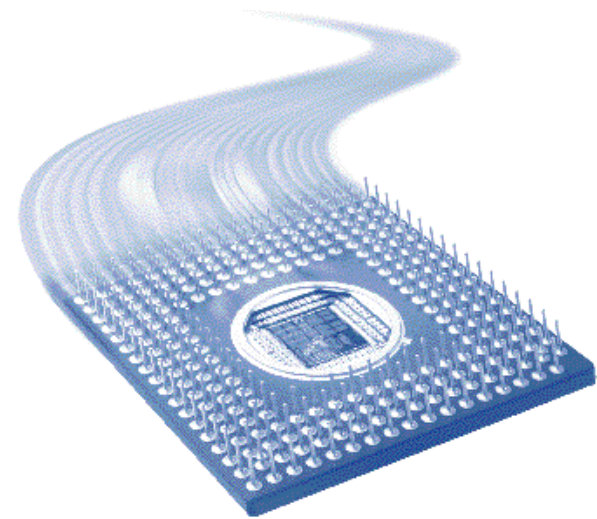
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