

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8/300H	H8/3037	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	32k-no	1k	no	no	63		5		1	1	1	8 x 10 bit	no	no		16	25,5	no
H8/300H	H8/3008	16	25	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	ROM-less-no	4k	no	no	57		3	4		1	2	8 x 10 bit	2 x 8 bit	4		16	27,7	no
H8/300H	H8/3061	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	96k-no	4k	no	no	79		3	4	5	1	2	8 x 10 bit	2 x 8 bit	no		16	27,7	On-chip clock pulse generator, DRAM I/F
H8/300H	H8/3036	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	16k-no	512	no	no	63		5		1	1	1	8 x 10 bit	no	no		16	25,5	no
H8/300H	H8/3038	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	64k-no	4k	no	no	63		5		1	1	1	8 x 10 bit	no	no		16	25,5	no
H8/300H	H8/3039	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	128k-no	4k	no	no	63		5		1	1	1	8 x 10 bit	no	no		16	25,5	no
H8/300H	H8/3007	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	ROM-less-no	4k	no	no	47		3	4		1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	no
H8/300H	H8/3006	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	ROM-less-no	2k	no	no	47		3	4		1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	no
H8/300H	H8/3062	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	128k-no	4k	no	no	79		3	4	5	1	2	8 x 10 bit	2 x 8 bit	no		16	27,7	On-chip clock pulse generator
H8/300H	H8/3022	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	Flash-256k	8k	no	no	63		5		1	1	2	8 x 10 bit	no	no	5	15	25,5	ITU, TPC, WDT, SCI
H8/300H	H8/3052F	16	18	16M	8	4.5 - 5.5	FP-100B TFP-100B	Flash-512k	8k	no	no	79		5		1	1	1	8 x 10 bit	2 x 8 bit	4	5	4	30,7	On-chip clock pulse generator, DRAM I/F
H8/300H	H8/3020	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	128k-no	4k	no	no	63		5		1	1	2	8 x 10 bit	no	no	5	15	25,5	ITU, TPC, WDT, SCI

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others	
H8/300H	H8/3060	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	64k-no	2k	no	no	79		3	4	5	1	2	8 x 10 bit	2 x 8 bit	no		16	27,7	On-chip clock pulse generator, DRAM I/F	
H8/300H	H8/3039F	16	18	16M	8	4.5 - 5.5	FP-80A TFP-80C	Flash-128k	4k	no	no	63		5		1	1	1	8 x 10 bit	no	no		16	25,5	no	
H8/300H	H8/3021	16	18	16M	8	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	192k-no	8k	no	no	63		5		1	1	2	8 x 10 bit	no	no	5	15	25,5	ITU, TPC, WDT, SCI	
H8/300H	H8/3064F	16	25	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	Flash-256k	8k	no	no	79		3	4	5	1	2	8 x 10 bit	2 x 8 bit	no		16	27,7	On-chip clock pulse generator	
H8/300H	H8/3066	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	96k-no	4k	no	no	79		3	4	5	1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	refresh controller, smart card I/F	
H8/300H	H8/3065	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	64k-no	2k	no	no	79		3	4	5	1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	refresh controller, smart card I/F	
H8/300H	H8/3062F	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	Flash-128k	4k	no	no	79		3	4	5	1	2	8 x 10 bit	2 x 8 bit	no		16	27,7	On-chip clock pulse generator	
H8/300H	H8/3067F	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	Flash-128k	4k	no	no	79		3	4	5	1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	Clock pulse generator, DRAM I/F, Smart CardI/F	
H8/300H	H8/3067	16	20	16M	8;16	2.7 - 5.5 3.0 - 5.5 4.5 - 5.5	FP-100A FP-100B TFP-100B	128k-no	4k	no	no	79		3	4	5	1	3	8 x 10 bit	2 x 8 bit	4		16	36,7	refresh controller, smart card I/F	
H8/300L	H8/3882	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	16k-no	1k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no				23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3862	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	16k-no	1k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no				20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8/300L	H8/3867	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	60k-no	2k	no	yes	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3643R	8	10	64k	no	2.5 - 5.5 4.0 - 5.5	DP-64S FP-64A	24k-no	1k	no	no	53		1	3	1	1	2	8 x 8 bit	no	no			21,12	UART, 14 Bit PWM
H8/300L	H8/3864	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	32k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3866	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	48k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3886	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	48k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3826	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	48k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3825	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	40k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3824	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	32k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3827	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	60k-no	2k	no	yes	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3887	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	60k-no	2k	no	yes	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3863	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	24k-no	1k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8/300L	H8/3822	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	16k-no	1k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3823	8	3	64k	no	1.8 - 5.5	FP-80A FP-80B TFP-80C	24k-no	1k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, 32 kHz Osc
H8/300L	H8/3660	8	10	64k	no	2.7 - 3.3	DP-42S FP-64A FP-64E	8k-no	512	no	no	37		1	2		1	1	8 x 10 bit	no	no			20,11	I2C Bus I/F
H8/300L	H8/3865	8	3	64k	no	2.7 - 5.5	FP-80A FP-80B TFP-80C	40k-no	2k	no	no	64		2	3	1	1	2	8 x 10 bit	no	no			20,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3662	8	10	64k	no	2.7 - 3.3	DP-42S FP-64A FP-64E	24k-no	1k	no	no	37		1	2		1	1	8 x 10 bit	no	no			20,11	I2C Bus I/F
H8/300L	H8/3883	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	24k-no	1k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3843	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	24k-no	1k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3846	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	48k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3845	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	40k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3844	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	32k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8/300L	H8/3847	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	60k-no	2k	no	yes	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3847R	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	60k-no	2k	no	yes	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3664	8	10	64k	no	2.7 - 3.3	DP-42S FP-64A FP-64E	Flash- 32k	2k	no	no	37		1	2		1	1	8 x 10 bit	no	no			20,11	I2C Bus I/F
H8/300L	H8/3663	8	10	64k	no	2.7 - 3.3	DP-42S FP-64A FP-64E	32k-no	1k	no	no	37		1	2		1	1	8 x 10 bit	no	no			20,11	I2C Bus I/F
H8/300L	H8/3661	8	10	64k	no	2.7 - 3.3	DP-42S FP-64A FP-64E	12k-no	512	no	no	37		1	2		1	1	8 x 10 bit	no	no			20,11	I2C Bus I/F
H8/300L	H8/3842	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	16k-no	1k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 25 seg, DTMF.
H8/300L	H8/3884	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	32k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8/300L	H8/3885	8	3	64k	no	1.8 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	40k-no	2k	no	no	84		2	3	1	1	3	12 x 10 bit	no	no			23,13	LCD Drive 4 com x 32 seg, LCD Step up Voltage, 32kHz Osc.
H8S	H8S/2244	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	32k-no	8k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC	16	34,9	smart card I/F	
H8S	H8S/2345	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	TFP-100B TFP-100G	128k-no	4k	no	yes	79		6	2		1	2	8 x 10 bit	2 x 8 bit	DTC	16	43,9	smart card I/F	

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2351	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	64k-no	2k	no	no	95		6			1	2	8 x 10 bit	2 x 8 bit	DTC			42,9	Programmable Pulsgenerator (PPG), 16-bit pulse output
H8S	H8S/2355	16	20	16M	8;16	2.7 - 5.5	FP-128 TFP-120	128k-no	4k	no	yes	95		6	2		1	3	8 x 10 bit	2 x 8 bit	DTC			47,9	smart card I/F
H8S	H8S/2353	16	20	16M	8;16	2.7 - 5.5	FP-128 TFP-120	68k-no	2k	no	no	95		6	2		1	3	8 x 10 bit	2 x 8 bit	DTC			47,9	smart card I/F
H8S	H8S/2245	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	128k-no	4k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC	16	34,9	smart card I/F	
H8S	H8S/2241	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	32k-no	4k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC	16	34,9	smart card I/F	
H8S	H8S/2623	16	20	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-100B	2k-no	12k	no	yes	70		6		8	1	3	15 x 10 bit	no	DTC	6	47,7	Hitachi controller area network (HCAN)	
H8S	H8S/2653	16	20	16M	8;16	2.7 - 5.5	FP-128 TFP-120	64k-no	4k	no	yes	95		6	2	6	1	3	8 x 10 bit	2 x 8 bit	4 + DTC	16	52,9	smart card I/F	
H8S	H8S/2240	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	ROM- less-no	4k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC	16	34,9	smart card I/F	
H8S	H8S/2246	16	20	16M	8;16	2.7 - 5.5	FP-100B TFP-100B	128k-no	8k	no	yes	79		3	2		1	3	4 x 10 bit	no	DTC	16	34,9	smart card I/F	
H8S	H8S/2343	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100A FP-100B	64k-no	2k	no	no	79		6	2		1	2	8 x 10 bit	2 x 8 bit	DTC	16	43,9	smart card I/F	
H8S	H8S/2237	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	128k-no	16k	no	yes	82		6	2		2	4	8 x 10 bit	2 x 10 bit	DTC	16	52,9	PC break controller, 2 channels	

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H8S	H8S/2323	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	Flash- 32k	8k	no	no	87		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4			52,9	smart card I/F
H8S	H8S/2655	16	20	16M	8;16	2.7 - 5.5	FP-128 TFP-120	128k-no	4k	no	yes	95		6	2	6	1	3	8 x 10 bit	2 x 8 bit	4 + DTC		16	52,9	smart card I/F
H8S	H8S/2357	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	128k-no	8k	no	yes	95		6	2		1	3	8 x 10 bit	2 x 8 bit	DTC		16	52,9	smart card I/F
H8S	H8S/2357 F	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	Flash- 128k	8k	no	yes	95		6	2		1	3	8 x 10 bit	2 x 8 bit	DTC		16	52,9	smart card I/F
H8S	H8S/2243	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	32k-no 64k-no	4k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC		16	34,9	smart card I/F
H8S	H8S/2242	16	20	16M	8;16	2.7 - 3.6 4.5 - 5.5	FP-100B TFP-100B	32k-no	8k	no	no	79		3	2		1	3	4 x 10 bit	no	DTC		16	34,9	smart card I/F
H8S	H8S/2223	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	64k-no	4k	no	no	82		3	2		2	3	8 x 10 bit	no	DTC		16	52,9	PC break controller, 2 channels
H8S	H8S/2148 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-100B TFP-100B	Flash- 128k	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2235	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	128k-no	4k	no	no	82		6	2		2	4	8 x 10 bit	2 x 10 bit	DTC		16	52,9	PC break controller, 2 channels
H8S	H8S/2137	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-80A TFP-80C	64k-no	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2132	16	20	16M	8;16	4.5 - 5.5	FP-80A TFP-80C	64k-no	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2134 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	Flash-128k	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2138 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	Flash-128k	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2144	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100B TFP-100B	128k-no	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2233	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	64k-no	4k	no	no	82		6	2		2	4	8 x 10 bit	2 x 10 bit	DTC	16	52,9	PC break controller, 2 channels	
H8S	H8S/2332	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-144	ROM-less-no	8k	no	no	106		6	2	2	1	3	12 x 10 bit	4 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2227	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	128k-no	16k	no	no	82		3	2		2	3	8 x 10 bit	no	DTC	16	52,9	PC break controller, 2 channels	
H8S	H8S/2122	16	20	16M	8	2.7 - 5.5 4.5 - 5.5	DP-64S FP-64A TFP-80C	64k-no	2k	no	no	51		1	3	18	2	2	8 x 10 bit	no	DTC			33,4	I2C Bus I/F
H8S	H8S/2622	16	20	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-100B	128k-no	8k	no	yes	70		6		8	1	3	15 x 10 bit	no	DTC	6	47,7	Hitachi controller area network (HCAN)	
H8S	H8S/2315	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash-384k	8k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2621	16	20	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-100B	64k-no	4k	no	yes	70		6		8	1	3	15 x 10 bit	no	DTC	6	47,7	Hitachi controller area network (HCAN)	

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2633	16	25	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-128 TFP-120	2k-no	16k	no	yes	89		6	4	4	2	5	15 x 10 bit	4 x 8 bit	4			72,9	Hitachi controller area network (HCAN), 32kHz Osc,
H8S	H8S/2633 F	16	25	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-128 TFP-120	Flash- 384k	16k	no	yes	89		6	4	4	2	5	15 x 10 bit	4 x 8 bit	4			72,9	Hitachi controller area network (HCAN), 32kHz Osc,
H8S	H8S/2626 F	16	20	16M	8;16	3.0 - 3.6 3.0 - 5.5	FP-100B	Flash- 384k	12k	no	yes	68		6			2	3	15 x 10 bit	2 x 8 bit	DTC		6	47,7	Hitachi controller area network (HCAN), 32kHz Osc,
H8S	H8S/2128 F	16	20	16M	8	4.0 - 5.5 4.5 - 5.5	DP-64S FP-64A TFP-80C	Flash- 128k	4k	no	no	51		1	3	1 8	2	2	8 x 10 bit	no	DTC			33,4	I2C Bus I/F
H8S	H8S/2134	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	128k-no	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2133	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-80A TFP-80C	96k-no	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2327	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	Flash- 128k	8k	no	no	87		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2623 F	16	20	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-100B	Flash- 384k	12k	no	yes	70		6		8	1	3	15 x 10 bit	no	DTC		6	47,7	Hitachi controller area network (HCAN)
H8S	H8S/2123	16	20	16M	8	2.7 - 5.5 4.5 - 5.5	DP-64S FP-64A TFP-80C	96k-no	4k	no	no	51		1	3	1 8	2	2	8 x 10 bit	no	DTC			33,4	I2C Bus I/F
H8S	H8S/2120	16	20	16M	8	2.7 - 5.5 4.5 - 5.5	DP-64S FP-64A TFP-80C	96k-no	2k	no	no	51		1	3	1 8	2	2	8 x 10 bit	no	DTC			33,4	I2C Bus I/F

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2337	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-144	Flash-128k	8k	no	no	106		6	2	2	1	3	12 x 10 bit	4 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2148	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100B TFP-100B	128k-no	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2338	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-144	Flash-256k	8k	no	no	106		6	2	2	1	3	12 x 10 bit	4 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2143	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100B TFP-100B	96k-no	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2142	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100B TFP-100B	64k-no	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2142 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-100B TFP-100B	Flash-64k	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2147	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100B TFP-100B	64k-no	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2345 F	16	20	16M	8;16	4.5 - 5.5	TFP-100B TFP-100G	Flash-128k	4k	no	yes	79		6	2		1	2	8 x 10 bit	2 x 8 bit	DTC	16		43,9	smart card I/F
H8S	H8S/2341	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100A FP-100B	32k-no	2k	no	no	79		6	2		1	2	8 x 10 bit	2 x 8 bit	DTC	16		43,9	smart card I/F
H8S	H8S/2340	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-100A FP-100B	ROM-less-no	2k	no	no	79		6	2		1	2	8 x 10 bit	2 x 8 bit	DTC	16		43,9	smart card I/F
H8S	H8S/2130	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-80A TFP-80C	32k-no	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2132 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-80A TFP-80C	Flash-64k	2k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2225	16	13	16M	8;16	2.7 - 3.6	FP-100A FP-100B TFP-100B TFP-100G	128k-no	4k	no	no	82		3	2		2	3	8 x 10 bit	no	DTC		16	52,9	PC break controller, 2 channels
H8S	H8S/2144 F	16	20	16M	8;16	3.0 - 5.5 4.5 - 5.5	FP-100B TFP-100B	Flash-128k	4k	no	no	82		1	2	2	2	2	8 x 10 bit	2 x 8 bit	DTC			46,9	Keyboard Controller; Host Interface, I2C-Bus
H8S	H8S/2238 F	16	13	16M	8;16	2.7 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	Flash-384k	16k	no	no	82		6	4		2	4	8 x 10 bit	2 x 8 bit	DTC			53,9	smart card I/F
H8S	H8S/2238	16	13	16M	8;16	2.7 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	2k-no	16k	no	no	82		6	4		2	4	8 x 10 bit	2 x 8 bit	DTC			53,9	smart card I/F
H8S	H8S/2236	16	13	16M	8;16	2.7 - 5.5	FP-100A FP-100B TFP-100B TFP-100G	128k-no	8k	no	no	82		6	4		2	4	8 x 10 bit	2 x 8 bit	DTC			53,9	smart card I/F
H8S	H8S/2350	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	ROM-less-no	2k	no	no	95		6			1	2	8 x 10 bit	2 x 8 bit	DTC			42,9	Programmable Pulsgenerator (PPG), 16-bit pulse output
H8S	H8S/2352	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	ROM-less-no	8k	no	no	95		6			1	2	8 x 10 bit	2 x 8 bit	DTC			42,9	Programmable Pulsgenerator (PPG), 16-bit pulse output
H8S	H8S/2393	16	20	16M	8;16	2.7 - 5.5 4.5 - 5.5	FP-128 TFP-120	32k-no	4k	no	no	95		6	2		1	3	8 x 10 bit	2 x 8 bit	DTC			35,9	smart card I/F
H8S	H8S/2636	16	20	16M	8;16	2.7 - 5.5	FP-128	Flash-128k	4k	no	yes	72		6	2	1 6	2	3	12 x 10 bit	2 x 8 bit	4 + DTC	6		49, 7	Hitachi controller area network (HCAN), 32kHz Osc,

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2328	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	Flash- 256k	8k	no	no	95		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2319	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash- 512k	8k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2124	16	20	16M	8	2.7 - 5.5 4.5 - 5.5	DP-64S FP-64A TFP-80C	128k-no	4k	no	no	51		1	3	1 8	2	2	8 x 10 bit	no	DTC			33,4	I2C Bus I/F
H8S	H8S/2316	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash- 64k	8k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2313	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash- 64k	2k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2312	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	ROM- less-no	8k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2311	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash- 32k	2k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2310	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	ROM- less-no	2k	no	no	79		6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC			43,9	smart card I/F
H8S	H8S/2329	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	Flash- 384k	32k	no	no	95		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2324	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	ROM- less-no	32k	no	no	95		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4 + DTC			52,9	smart card I/F
H8S	H8S/2322 R	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	ROM- less-no	8k	no	no	87		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4			52,9	smart card I/F
H8S	H8S/2320	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-128 TFP-120	ROM- less-no	4k	no	no	87		6	2	2	1	3	8 x 10 bit	2 x 8 bit	4			52,9	smart card I/F

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
H8S	H8S/2339	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-144	Flash-384k	32k	no	no	106	6	2	2	1	3	12 x 10 bit	4 x 8 bit	4 + DTC				52,9	smart card I/F
H8S	H8S/2612	16	20	16M	8;16	3.0 - 3.6 4.0 - 5.5	FP-80A	128k-no Flash-128k	4k	no	yes	56	6		8	1	3	15 x 10 bit	no	DTC		6	47,7	Hitachi controller area network (HCAN)	
H8S	H8S/2318	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash-256k	8k	no	no	79	6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC				43,9	smart card I/F
H8S	H8S/2317	16	25	16M	8;16	2.7 - 3.6 3.0 - 3.6	FP-100A TFP-100B	Flash-128k	8k	no	no	79	6	2	2	1	2	8 x 10 bit	2 x 8 bit	DTC				43,9	smart card I/F
SH-1	SH7034	32	20	128M	8;16	3.0 - 5.5 4.5 - 5.5	FP-112	64k-no ROM-less-no	4k	no	yes	40	5			1	2	8 x 10 bit	no	4		16	31,9	32-bit RISC CPU, 20 MIPS, Bus State Controller, HW Multiply and Accumulate	
SH-1	SH7020	32	20	128M	8;16	3.0 - 5.5 4.5 - 5.5	TFP-100	16k-no	1k	no	no	40	5			1	2	no	no	4		16	30,9	32-bit RISC CPU, 20 MIPS, Bus State Controller, HW Multiply and Accumulate	
SH-1	SH7021	32	20	128M	8;16	3.0 - 5.5 4.5 - 5.5	TFP-100	32k-no ROM-less-no	1k	no	yes	40	5			1	2	no	no	4		16	30,9	32-bit RISC CPU, 20 MIPS, Bus State Controller, HW Multiply and Accumulate	
SH-1	SH7032	32	20	128M	8;16	3.0 - 5.5 4.5 - 5.5	FP-112 TFP-120	ROM-less-no	8k	no	no	40	5			1	2	8 x 10 bit	no	4		16	31,9	32-bit RISC CPU, 20 MIPS, Bus State Controller, HW Multiply and Accumulate	
SH-2	SH7011	32	20	16M	8;16	3.0 - 3.6	TFP-100B	ROM-less-no	4k	no	no	11	5	2	3		1	7 x 10 bit	no	no				22,9	32-bit RISC CPU, 20 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7041A	32	33	30M	8;16;32	4.5 - 5.5	FP-144	64k-no	4k	no	no	106	7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate	
SH-2	SH7017F	32	28.7	16M	8;16	4.5 - 5.5	FP-112	Flash-128k	4k + 2k cache	no	no	82	5		3	1	2	8 x 10 bit	no	2				28,7	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
SH-2	SH7042	32	28.7	30M	8;16	3.0 - 3.6 4.5 - 5.5	FP-112 TFP-120	128k-no	4k	no	yes	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7043	32	28.7	30M	8;16 ;32	3.0 - 3.6 4.5 - 5.5	FP-144	128k-no	4k	no	yes	10 6		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7014	32	28.7	16M	8;16	4.5 - 5.5	FP-112	ROM-less-no	3k + 1k cache	no	no	43		5		3	1	2	8 x 10 bit	no	2		16	28,7	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7044	32	28.7	30M	8;16	4.5 - 5.5	FP-112	2k-no	4k	no	no	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7044F	32	28.7	30M	8;16	4.5 - 5.5	FP-112	Flash-384k	4k	no	no	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7016	32	28.7	16M	8;16	4.5 - 5.5	FP-112	64k-no	3k + 1k cache	no	no	82		5		3	1	2	8 x 10 bit	no	2			28,7	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7041	32	28.7	30M	8;16 ;32	4.5 - 5.5	FP-144	64k-no	4k	no	no	10 6		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7054F	32	40	4G	8;16	4.5 - 5.5	FP-256	Flash-384k	16k	no	no	13 5	4	8		4	1	5	16 x 10 bit	no	4			109,5	Hitachi controller area network (HCAN), FPU
SH-2	SH7045F	32	28.7	30M	8;16 ;32	4.5 - 5.5	FP-144	Flash-384k	4k	no	no	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7040A	32	33	30M	8;16	3.0 - 3.6 4.5 - 5.5	FP-112	64k-no	4k	no	no	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7042A	32	33	30M	8;16	3.0 - 3.6 4.5 - 5.5	FP-112 TFP-120	128k-no	4k	no	yes	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
SH-2	SH7043A	32	33	30M	8;16;32	3.0 - 3.6 4.5 - 5.5	FP-144	128k-no	4k	no	yes	10 6		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7055F	32	40	4G	8;16	4.5 - 5.5	FP-256	Flash-512k	32k	no	no	14 9	4	8		4	1	5	32 x 10 bit	no	4			115,9	Hitachi controller area network (HCAN), FPU
SH-2	SH7052F	32	40	4G	8;16	4.5 - 5.5	FP-256	Flash-256k	12k	no	no	13 5	4	8		4	1	5	16 x 10 bit	no	4			109,5	Hitachi controller area network (HCAN), FPU
SH-2	SH7053F	32	40	4G	8;16	4.5 - 5.5	FP-256	Flash-256k	16k	no	no	13 5	4	8		4	1	5	16 x 10 bit	no	4			109,5	Hitachi controller area network (HCAN), FPU
SH-2	SH7045	32	28.7	30M	8;16;32	4.5 - 5.5	FP-144	2k-no	4k	no	no	10 6		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-2	SH7040	32	28.7	30M	8;16	3.0 - 3.6 4.5 - 5.5	FP-112	64k-no	4k	no	no	82		7			1	2	8 x 10 bit	no	4		16	43,9	32-bit RISC CPU, 28 MIPS, Bus State Controller, HW Multiply and Accumulate
SH-3	SH7709A	32	133	4G	8;16;32	3.0 - 3.6	FP-208	ROM-less-no	16k cache	no	no	96	3				1	3	8 x 10 bit	2 x 8 bit	4			27,19	32-bit RISC CPU, MMU, 80 MIPS, PCMCIA I/F, 8 k Cache, MAC, PLL, RTC
SH-3	SH7718R	32	100	4G	8;16;32	3.1 - 3.6	FP-144	ROM-less-no	8k unified cache	no	no	8	3				1	1	8 x 10 bit	2 x 8 bit	no			5,14	32-bit RISC CPU, MMU, 80 MIPS, PCMCIA I/F, 8 k Cache, MAC, PLL, RTC
SH-3	SH7709	32	80	4G	8;16;32	3.0 - 3.6	FP-208	ROM-less-no	8k unified cache	no	no	96	3				1	3	8 x 10 bit	2 x 8 bit	4			27,19	32-bit RISC CPU, MMU, 80 MIPS, PCMCIA I/F, 8 k Cache, MAC, PLL, RTC
SH-4	SH7751	32	167	4G	8;16;32;64	3.0 - 3.6	FP-256	ROM-less-no	8k instr. + 16k data	no	no	32	5				1	2	no	no	4+4			35,5	contact Hitachi Sales for availability

Family	Family Device	CPUBitSize	Internal max Speed	Address Space	External Data Bus	Supply Voltage	Package	ROM - Flash (Bytes)	RAM (Bytes)	EPROM with Windows	ZTAT	I/O-Pins	32-bit Timer	16-bit Timer	8-bit Timer	PWM Timer	Watch Dog	SCI	A/D Converter	D/A Converter	DMAC(channel)	ITU/IPU (channel)	TPC	Interrupts	Others
SH-4	SH7750	32	200	4G	8;16; ;32; 64	3.0 - 3.6	BP-256 FP-208	ROM-less-no	8k instr. + 16k data cache	no	no	20	3				1	2	no	no	4			24,5	contact Hitachi Sales for availability
SH2-DSP	SH7622	32	62.5	4G	8;16; ;32	1.75 - 2.05 2.7 - 3.6	FP-216 TBT-216B	ROM-less-no	4k X + 4k Y- RAM, 8k cache	no	no	96		1			1	3	4 x 10 bit	no	4		3	42,9	32-bit RISC CPU, DSP, Ethernet controller DMAC, Serial I/O with FIFO, Hitachi User Debug I/F
SH2-DSP	SH7615	32	62.5	4G	8;16; ;32	3.0 - 3.6 4.5 - 5.5	FP-208	ROM-less-no	4k X + 4k Y- RAM, 4k cache	no	no	29		1			1	3	no	no	2		3	41,15	32-bit RISC CPU, DSP, Ethernet controller DMAC, Serial I/O with FIFO, Hitachi User Debug I/F
SH2-DSP	SH7612	32	60	30M	8;16; ;32	3.0 - 3.6	FP-176	ROM-less-no	16k + 4k cache	no	no	29		4			1	3	no	no	2		16	45, 5	32-bit RISC CPU, 60 MIPS, 4k Cache, MAC,PLL,RTC