



Atmel Evaluation Kits

Ordering Code	Supported Device	Photos
ATSAM3N-EK	SAM3N4, SAM3N2, SAM3N1	
ATSAM3S-EK	SAM3S4, SAM3S2, SAM3S1	
ATSAM3U-EK	SAM3U4, SAM3U2, SAM3U1	
AT91SAM7L-STK	SAM7L64, SAM7L128	
AT91SAM7S-EK	SAM7S16, SAM7S32, SAM7S64, SAM7S256, SAM7S161, SAM7S321, SAM7S128, SAM7S512	
AT91SAM7SE-EK	SAM7SE128, SAM7SE256, SAM7SE512	
AT91SAM7X-EK	SAM7X128, SAM7X256, SAM7X512	
AT91SAM9G20-EK	SAM9G20	
AT91SAM9260-EK	SAM9260	
AT91SAM9XE-EK	SAM9XE128, SAM9XE256, SAM9XE512	
AT91SAM9261-EK	SAM9261	
AT91SAM9G10-EK	SAM9G10	
AT91SAM9263-EK	SAM9263	
AT91SAM9RL-EK	SAM9RL64, SAM9R64	
AT91SAM9M10-G45-EK	SAM9M10, SAM9G45	
AT91SAM-ICE	All products	



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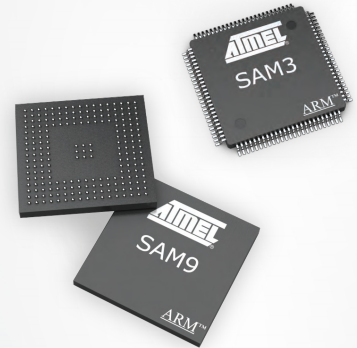
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Atmel AT91SAM

One-stop shop for ARM-based Microcontrollers





32-bit Flash-based ARM Microcontrollers

Product Name	ARM Core	Cache Memory (Bytes)	Clock Speed (MHz)*	SRAM (Bytes)	In-System Programming	External Bus Interface	SDRAM Interface	S-LIC NAND Flash / ECC	DMA Channels	UART	SPI / TWI / SSC	MCI	SDIO	CAN	USB Device (Full/High Speed)	USB Host (Full/High Speed)	Ethernet MAC 10/100	LCD Controller	Triple DES Engine	AES Engine (Bits)	Image Sensor Interface	16-bit Timers	PWM Controller	Period Interval Timer	Watchdog Timer	RTC / RTT	10-bit ADC Channel	12-bit ADC Channel	Power-On Reset	Brown Out Detection	On-chip RC Oscillator	Crystal Oscillator / PLL	High Current Pads	I/O Pins	I/O Voltage domain (V)	Single Supply	Package	Status	
SAM3N1A	Cortex-M3	-	48	8K	-	64K	Y	-	-	-	9	3	2/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	8	-	1	1	2	2/1	4	34	1.62 to 3.6	Y	QFP48/QFN48	S	
SAM3N2A	Cortex-M3	-	48	16K	-	128K	Y	-	-	-	9	3	2/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	8	-	1	1	2	2/1	4	34	1.62 to 3.6	Y	QFP48/QFN48	S	
SAM3N4A	Cortex-M3	-	48	24K	-	256K	Y	-	-	-	9	3	2/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	8	-	1	1	2	2/1	4	34	1.62 to 3.6	Y	QFP48/QFN48	S	
SAM3N1B	Cortex-M3	-	48	8K	-	64K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	10	-	1	1	2	2/1	4	47	1.62 to 3.6	Y	QFP64/QFN64	S	
SAM3N2B	Cortex-M3	-	48	16K	-	128K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	10	-	1	1	2	2/1	4	47	1.62 to 3.6	Y	QFP64/QFN64	S	
SAM3N4B	Cortex-M3	-	48	24K	-	256K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	10	-	1	1	2	2/1	4	47	1.62 to 3.6	Y	QFP64/QFN64	P	
SAM3N1C	Cortex-M3	-	48	8K	-	64K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	16	-	1	1	2	2/1	4	79	1.62 to 3.6	Y	QFP100/BGA100	S	
SAM3N2C	Cortex-M3	-	48	16K	-	128K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	16	-	1	1	2	2/1	4	79	1.62 to 3.6	Y	QFP100/BGA100	S	
SAM3N4C	Cortex-M3	-	48	24K	-	256K	Y	-	-	-	10	4	3/2/1	-	-	-	-	-	-	-	-	6	4	1	1	1/1	16	-	1	1	2	2/1	4	79	1.62 to 3.6	Y	QFP100/BGA100	P	
SAM3S1A	Cortex-M3	-/1	64	16K	-	64K	Y	-	-	-	18	3	2/2/1	-	-	-	-	-	-	-	-	3	4	1	1	1/1	-	8	1	1	2	2/2	4	34	1.62 to 3.6	Y	QFP48/QFN48	P	
SAM3S2A	Cortex-M3	-/1	64	32K	-	128K	Y	-	-	-	18	3	2/2/1	-	-	-	-	-	-	-	-	3	4	1	1	1/1	-	8	1	1	2	2/2	4	34	1.62 to 3.6	Y	QFP48/QFN48	S	
SAM3S4A	Cortex-M3	-/1	64	48K	-	256K	Y	-	-	-	18	3	2/2/1	-	-	-	-	-	-	-	-	3	4	1	1	1/1	-	8	1	1	2	2/2	4	34	1.62 to 3.6	Y	QFP48/QFN48	P	
SAM3S1B	Cortex-M3	-/1	64	16K	-	64K	Y	-	-	-	23	4	3/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	-	10	1	1	2	2/2	4	47	1.62 to 3.6	Y	QFP64/QFN64	S	
SAM3S2B	Cortex-M3	-/1	64	32K	-	128K	Y	-	-	-	23	4	3/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	-	10	1	1	2	2/2	4	47	1.62 to 3.6	Y	QFP64/QFN64	S	
SAM3S4B	Cortex-M3	-/1	64	48K	-	256K	Y	-	-	-	23	4	3/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	-	10	1	1	2	2/2	4	47	1.62 to 3.6	Y	QFP64/QFN64	P	
SAM3S1C	Cortex-M3	-/1	64	16K	-	64K	Y	1	-	1/-	23	4	3/2/1	1	Y	-	-	-	-	-	-	6	4	1	1	1/1	-	16	1	1	2	2/2	4	79	1.62 to 3.6	Y	QFP100/BGA100	S	
SAM3S2C	Cortex-M3	-/1	64	32K	-	128K	Y	1	-	1/-	23	4	3/2/1	1	Y	-	-	-	-	-	-	6	4	1	1	1/1	-	16	1	1	2	2/2	4	79	1.62 to 3.6	Y	QFP100/BGA100	S	
SAM3S4C	Cortex-M3	-/1	64	48K	-	256K	Y	1	-	1/-	23	4	3/2/1	1	Y	-	-	-	-	-	-	6	4	1	1	1/1	-	16	1	1	2	2/2	4	79	1.62 to 3.6	Y	QFP100/BGA100	P	
SAM3U1C	Cortex-M3	-/1	96	20K	-	64K	Y	1	-	1/1	18	4	4/1/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	4	4	1	1	2	2/2	4	57	1.62 to 3.6	Y	QFP100/BGA100	P	
SAM3U2C	Cortex-M3	-/1	96	36K	-	128K	Y	1	-	1/1	18	4	4/1/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	4	4	1	1	2	2/2	4	57	1.62 to 3.6	Y	QFP100/BGA100	P	
SAM3U4C	Cortex-M3	-/1	96	52K	-	256K	Y	1	-	1/1	18	4	4/1/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	4	4	1	1	2	2/2	4	57	1.62 to 3.6	Y	QFP100/BGA100	P	
SAM3U1E	Cortex-M3	-/1	96	20K	-	64K	Y	1	-	1/1	22	5	5/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	8	8	1	1	2	2/2	4	96	1.62 to 3.6	Y	QFP144/BGA144	P	
SAM3U2E	Cortex-M3	-/1	96	36K	-	128K	Y	1	-	1/1	22	5	5/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	8	8	1	1	2	2/2	4	96	1.62 to 3.6	Y	QFP144/BGA144	P	
SAM3U4E	Cortex-M3	-/1	96	52K	-	256K	Y	1	-	1/1	22	5	5/2/1	1	Y	-	-	-	-	-	-	3	4	1	1	1/1	8	8	1	1	2	2/2	4	96	1.62 to 3.6	Y	QFP144/BGA144	P	
SAM7L64	7TDMI	-	36	6K	-	64K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	1/-	4	-	1	1	2	1/1	4	80	1.8 to 3.6	Y	QFP128/BGA144	P	
SAM7L128	7TDMI	-	36	6K	-	128K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	1/-	4	-	1	1	2	1/1	4	80	1.8 to 3.6	Y	QFP128/BGA144	P	
SAM7S16	7TDMI	-	55	4K	-	16K	Y	-	-	-	9	2	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	21	1.8 / 3.3	Y	QFP48/QFN48	P	
SAM7S161	7TDMI	-	55	4K	-	16K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64	P	
SAM7S32	7TDMI	-	55	8K	-	32K	Y	-	-	-	9	2	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	21	1.8 / 3.3	Y	QFP48/QFN48	P	
SAM7S321	7TDMI	-	55	8K	-	32K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64/QFN64	P	
SAM7S64	7TDMI	-	55	16K	-	64K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64/QFN64	P	
SAM7S128	7TDMI	-	55	32K	-	128K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64/QFN64	P	
SAM7S256	7TDMI	-	55	64K	-	256K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64/QFN64	P	
SAM7S512	7TDMI	-	55	64K	-	512K	Y	-	-	-	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	32	1.8 / 3.3	Y	QFP64/QFN64	P	
SAM7S532	7TDMI	-/1	55	8K	-	32K	Y	1	1	1/1	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	88	1.8 / 3.3	Y	QFP128/BGA144	P	
SAM7S256	7TDMI	-/1	55	32K	-	256K	Y	1	1	1/1	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	88	1.8 / 3.3	Y	QFP128/BGA144	P	
SAM7S512	7TDMI	-/1	55	32K	-	512K	Y	1	1	1/1	11	3	1/1/1	-	N	-	-	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	88	1.8 / 3.3	Y	QFP128/BGA144	P	
SAM7X128	7TDMI	-	55	32K	-	128K	Y	-	-	-	13	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM7X256	7TDMI	-	55	64K	-	256K	Y	-	-	-	13	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM7X512	7TDMI	-	55	128K	-	512K	Y	-	-	-	13	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM7XC128	7TDMI	-	55	32K	-	128K	Y	-	-	-	17	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM7XC256	7TDMI	-	55	64K	-	256K	Y	-	-	-	17	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM7XC512	7TDMI	-	55	128K	-	512K	Y	-	-	-	17	3	2/1/1	-	N	1	FS	-	-	-	-	3	4	1	1	-/1	8	-	1	1	1	1/1	4	62	3.3	Y	QFP100/BGA100	P	
SAM9XE128	926EJ-S	1/-	180	16K	16K+8K	128K	Y	1	1	1/1	24	6	2/2/1	1	Y	-	-	-	-	-	-	1	6	-	1	1	-/1	4	-	2	1	1	2/2	3	96	1.8 / 3.3	N	QFP208/BGA217	P
SAM9XE256	926EJ-S	1/-	180	32K	16K+8K	256K	Y	1	1	1/1	24	6	2/2/1	1	Y	-	-	-	-	-	-	1	6	-	1	1	-/1	4	-	2	1	1	2/2	3	96	1.8 / 3.3	N	QFP2	