STM8 & STM32
Selection Chart

STM32 Releasing your **creativity**

STM32 F0

STM32 F1
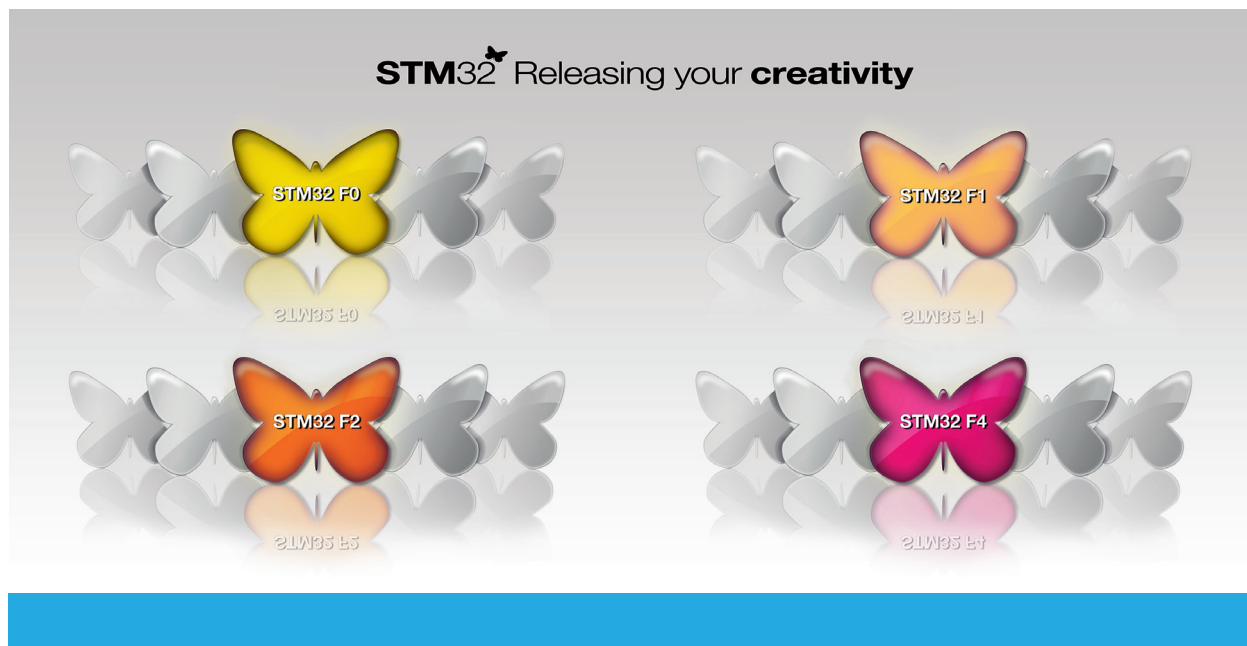
STM32 F2

STM32 F4

STM32F0 (ARM Cortex-M0) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	Timer 32-bit General Purpose (IC/OC/PWM)	16-bit Advance Control (IC/OC/PWM)	16-bit Advance Control (IC/OC/PWM)	16-bit Basic	SPI (I²S)	I2C	USART +UART	CEC	12-bit ADC (CH.)	12-bit DAC (CH.)	Comparator	I/O port	Package
STM32F051	32	STM32F051K4	48	16K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	1	1(10)	1	2	27	UFQFPN32(5x5) LQFP32 (7x7)
	32	STM32F051K6	48	32K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	2+0	1	1(10)	1	2	27	
	32	STM32F051K8	48	64K	8	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	2(1)	1	2+0	1	1(10)	1	2	27	
	48	STM32F051C4	48	16K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	1	1(10)	1	2	39	LQFP48 (7x7)
	48	STM32F051C6	48	32K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	2+0	1	1(10)	1	2	39	
	48	STM32F051C8	48	64K	8	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	2(1)	1	2+0	1	1(10)	1	2	39	
	64	STM32F051R4	48	16K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	1	1(16)	1	2	55	LQFP64 (10x10)
	64	STM32F051R6	48	32K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	2+0	1	1(16)	1	2	55	
	64	STM32F051R8	48	64K	8	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	2(1)	1	2+0	1	1(16)	1	2	55	
STM32F050	32	STM32F050K4	48	16K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	0	1(10)	0	2	27	UFQFPN32(5x5) LQFP32 (7x7)
	32	STM32F050K6	48	32K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	0	1(10)	0	2	27	
	48	STM32F050C4	48	16K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	0	1(10)	0	2	39	LQFP48 (7x7)
	48	STM32F050C6	48	32K	4	1(4/4/4)	5(9/9/9)	1(4/4/6)	1	1(1)	1	1+0	0	1(10)	0	2	39	

Note: In the column "Timer function", (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
Note: All models include two watchdog (independent watchdog and window watchdog), and a RTC which can be maintained by battery.
Note: All products have operating voltage range of 1.8V ~ 3.6V

STM32F1 (ARM Cortex-M3) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	FSMC	Timer 16-bit General Purpose (IC/OC/PWM)	16-bit Advance Control (IC/OC/PWM)	16-bit Basic	SPI	I2C	USART* +UART	USB FS	CAN 2.0B	Ethernet	CEC	I2C	SDIO	12-bit ADC (CH.)	12-bit DAC (CH.)	I/O Ports	Package
Access Line	48	STM32F100C4	24	16K	4K		5(12/12/12)	1(4/4/6)	2	1	1	2				1			1/(10)	2	37	LQFP48(7x7)
		STM32F100C6	24	32K	4K		5(12/12/12)	1(4/4/6)	2	1	1	2				1			1/(10)	2	37	
		STM32F100C8	24	64K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(10)	2	37	
		STM32F100CB	24	128K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(10)	2	37	
	64	STM32F100R4	24	16K	4K		5(12/12/12)	1(4/4/6)	2	1	1	2				1			1/(16)	2	51	LQFP64(10x10) /TFBGA64(5x5)
		STM32F100R6	24	32K	4K		5(12/12/12)	1(4/4/6)	2	1	1	2				1			1/(16)	2	51	
		STM32F100R8	24	64K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(16)	2	51	
		STM32F100RB	24	128K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(16)	2	51	
		STM32F100RC	24	256K	24K		10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	51	LQFP64(10x10)
		STM32F100RD	24	384K	32K		10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	51	
		STM32F100RE	24	512K	32K		10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	51	
	100	STM32F100V8	24	64K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(16)	2	80	LQFP100(14x14)
		STM32F100VB	24	128K	8K		6(16/16/16)	1(4/4/6)	2	2	2	3				1			1/(16)	2	80	
		STM32F100VC	24	256K	24K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	80	
		STM32F100VD	24	384K	32K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	80	
		STM32F100VE	24	512K	32K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	80	
	144	STM32F100ZC	24	256K	24K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	112	LQFP144(20x20)
		STM32F100ZD	24	384K	32K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	112	
		STM32F100ZE	24	512K	32K	•	10(24/24/24)	1(4/4/6)	2	3	2	3+2				1			1/(16)	2	112	
Access Line	36	STM32F101T4	36	16K	4K		2(8/8/8)			1	1	2							1/(10)		26	VFQFPN36(6x6)
		STM32F101T6	36	32K	6K		2(8/8/8)			1	1	2							1/(10)		26	
		STM32F101T8	36	64K	10K		3(12/12/12)			1	1	2							1/(10)		26	
		STM32F101TB	36	128K	16K		3(12/12/12)			1	1	2							1/(10)		26	
	48	STM32F101C4	36	16K	4K		2(8/8/8)			1	1	2							1/(10)		37	LQFP48(7x7)/ VFQFPN48(7x7)
		STM32F101C6	36	32K	6K		2(8/8/8)			1	1	2							1/(10)		37	
		STM32F101C8	36	64K	10K		3(12/12/12)			2	2	3							1/(10)		37	
		STM32F101CB	36	128K	16K		3(12/12/12)			2	2	3							1/(10)		37	
	64	STM32F101R4	36	16K	4K		2(8/8/8)			1	1	2							1/(16)		51	LQFP64(10x10)
		STM32F101R6	36	32K	6K		2(8/8/8)			1	1	2							1/(16)		51	
		STM32F101R8	36	64K	10K		3(12/12/12)			2	2	3							1/(16)		51	
		STM32F101RB	36	128K	16K		3(12/12/12)			2	2	3							1/(16)		51	
		STM32F101RC	36	256K	32K		4(16/16/16)		2	3	2	3+2							1/(16)	2	51	
		STM32F101RD	36	384K	48K		4(16/16/16)		2	3	2	3+2							1/(16)	2	51	
		STM32F101RE	36	512K	48K		4(16/16/16)		2	3	2	3+2							1/(16)	2	51	
		STM32F101RF	36	768K	80K		10(24/24/24)		2	3	2	3+2							2/(16)	2	51	
		STM32F101RG	36	1024K	80K		10(24/24/24)		2	3	2	3+2							2/(16)	2	51	

STM32F1 (ARM Cortex-M3) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	FSMC	Timer 16-bit General Purpose (IC/OC/PWM)	Timer 16-bit Advance Control (IC/OC/PWM)	16-bit Basic	SPI	I2C	USART* +UART	USB FS	CAN 2.0B	Ether-net	CEC	I2C	SDIO	12-bit ADC (CH.)	12-bit DAC (CH.)	I/O Ports	Package
Access Line	100	STM32F101V8	36	64K	10K		3(12/12/12)			2	2	3							1/(16)		80	LQFP100(14x14)
		STM32F101VB	36	128K	16K		3(12/12/12)			2	2	3							1/(16)		80	
		STM32F101VC	36	256K	32K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	80	
		STM32F101VD	36	384K	48K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	80	
		STM32F101VE	36	512K	48K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	80	
		STM32F101VF	36	768K	80K	•	10(24/24/24)		2	3	2	3+2							2/(16)	2	80	
		STM32F101VG	36	1024K	80K	•	10(24/24/24)		2	3	2	3+2							2/(16)	2	80	
	144	STM32F101ZC	36	256K	32K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	112	LQFP144(20x20)
		STM32F101ZD	36	384K	48K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	112	
		STM32F101ZE	36	512K	48K	•	4(16/16/16)		2	3	2	3+2							1/(16)	2	112	
		STM32F101ZF	36	768K	80K	•	10(24/24/24)		2	3	2	3+2							2/(16)	2	112	
		STM32F101ZG	36	1024K	80K	•	10(24/24/24)		2	3	2	3+2							2/(16)	2	112	
USB Access Line	48	STM32F102C4	48	16K	4K		2(8/8/8)			1	1	2	1						1/(10)		37	LQFP48(7x7)
		STM32F102C6	48	32K	6K		2(8/8/8)			1	1	2	1						1/(10)		37	
		STM32F102C8	48	64K	10K		3(12/12/12)			2	2	3	1						1/(10)		37	
		STM32F102CB	48	128K	16K		3(12/12/12)			2	2	3	1						1/(10)		37	
	64	STM32F102R4	48	16K	4K		2(8/8/8)			1	1	2	1						1/(16)		51	LQFP64(10x10)
		STM32F102R6	48	32K	6K		2(8/8/8)			1	1	2	1						1/(16)		51	
		STM32F102R8	48	64K	10K		3(12/12/12)			2	2	3	1						1/(16)		51	
		STM32F102RB	48	128K	16K		3(12/12/12)			2	2	3	1						1/(16)		51	
Performance Line	36	STM32F103T4	72	16K	6K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(10)		26	VFQFPN36(6x6)
		STM32F103T6	72	32K	10K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(10)		26	
		STM32F103T8	72	64K	20K		3(12/12/12)	1(4/4/6)		1	1	2	1	1					2/(10)		26	
		STM32F103TB	72	128K	20K		3(12/12/12)	1(4/4/6)		1	1	2	1	1					2/(10)		26	
	48	STM32F103C4	72	16K	6K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(10)		37	LQFP48(7x7)/ VFQFPN48(7x7)
		STM32F103C6	72	32K	10K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(10)		37	
		STM32F103C8	72	64K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(10)		37	
		STM32F103CB	72	128K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(10)		37	
	64	STM32F103R4	72	16K	6K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(16)		51	LQFP64(10x10) TFBGA64(5x5)
		STM32F103R6	72	32K	10K		2(8/8/8)	1(4/4/6)		1	1	2	1	1					2/(16)		51	
		STM32F103R8	72	64K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(16)		51	
		STM32F103RB	72	128K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(16)		51	
		STM32F103RC	72	256K	48K		4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	51	LQFP64(10x10) WLCSP64(4.5x4.4)
		STM32F103RD	72	384K	64K		4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	51	
		STM32F103RE	72	512K	64K		4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	51	
		STM32F103RF	72	768K	96K		10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	51	LQFP64(10x10)
		STM32F103RG	72	1024K	96K		10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	51	
	100	STM32F103V8	72	64K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(16)		80	LQFP100(14x14) LFBGA100(10x10)
		STM32F103VB	72	128K	20K		3(12/12/12)	1(4/4/6)		2	2	3	1	1					2/(16)		80	
		STM32F103VC	72	256K	48K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	80	
		STM32F103VD	72	384K	64K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	80	
		STM32F103VE	72	512K	64K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	80	
		STM32F103VF	72	768K	96K	•	10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	80	LQFP100(14x14)
		STM32F103VG	72	1024K	96K	•	10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(16)	2	80	
	144	STM32F103ZC	72	256K	48K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(21)	2	112	LQFP144(20x20) BGA144(10x10)
		STM32F103ZD	72	384K	64K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(21)	2	112	
		STM32F103ZE	72	512K	64K	•	4(16/16/16)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(21)	2	112	
		STM32F103ZF	72	768K	96K	•	10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(21)	2	112	
		STM32F103ZG	72	1024K	96K	•	10(24/24/24)	2(8/8/12)	2	3	2	3+2	1	1			2	1	3/(21)	2	112	
Connectivity Line	64	STM32F105R8	72	64K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	51	LQFP64(10x10)
		STM32F105RB	72	128K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	51	
		STM32F107RB	72	128K	64K		4(16/16/16)	1(4/4/6)	2	3	1	3+2	OTG	2	•		2		2/(16)	2	51	
		STM32F105RC	72	256K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	51	
		STM32F107RC	72	256K	64K		4(16/16/16)	1(4/4/6)	2	3	1	3+2	OTG	2	•		2		2/(16)	2	51	
	100	STM32F105V8	72	64K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	80	LQFP100(14x14)
		STM32F105VB	72	128K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	80	LQFP100/BGA100
		STM32F107VB	72	128K	64K		4(16/16/16)	1(4/4/6)	2	3	1	3+2	OTG	2	•		2		2/(16)	2	80	LQFP100(14x14)
		STM32F105VC	72	256K	64K		4(16/16/16)	1(4/4/6)	2	3	2	3+2	OTG	2			2		2/(16)	2	80	LQFP100/BGA100
		STM32F107VC	72	256K	64K		4(16/16/16)	1(4/4/6)	2	3	1	3+2	OTG	2	•		2		2/(16)	2	80	LQFP100(14x14)

* Marked in the table (3+2) means 3 USART and 2 UART. All UARTs have LIN master / slave function. All USARTs have IrDA, ISO7816, modem control and LIN master / slave functions.
Note: In the column "Timer function", (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
Note: All models include two watchdog (independent watchdog and window watchdog), and a RTC which can be maintained by battery.
Note: FSMC = Flexible static memory controller
Note: All products have operating voltage range of 2.0V ~ 3.6V. Working temperture range is -40~+85°C or -40~105°C.

STM32F2 (ARM Cortex-M3) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	FSMC	Timer 32-bit General Purpose (IC/OC/PWM)	16-bit General Purpose (IC/OC/PWM)	16-bit Advance Control (IC/OC/PWM)	16-bit Basic	SPI (I2S)	I2C	USART* +UART	USB FS	USB HS	CAN 2.0B	Ether-net	Cam-era	Encrypt / Hash	12-bit ADC (CH.)	12-bit DAC (CH.)	I/O Ports	Package
STM32F205/215	64	STM32F205RB	120	128K	64K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	LQFP64(10x10)
		STM32F205RC	120	256K	96K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	WLCSP66(4x4)
		STM32F205RE	120	512K	128K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	(WLCSP66 is
		STM32F215RE	120	512K	128K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(16)	2	51	available for
		STM32F205RF	120	768K	128K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	STM32F205RE
		STM32F205RG	120	1024K	128K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	and
		STM32F215RG	120	1024K	128K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(16)	2	51	STM32F205RGonly)
	100	STM32F205VB	120	128K	64K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	
		STM32F205VC	120	256K	96K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	
		STM32F205VE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	LQFP100(14x14)
		STM32F215VE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(16)	2	82	
		STM32F205VF	120	768K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	
		STM32F205VG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	
		STM32F215VG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(16)	2	82	
	144	STM32F205ZC	120	256K	96K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(24)	2	114	
		STM32F205ZE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(24)	2	114	
		STM32F215ZE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(24)	2	114	LQFP144(20x20)
		STM32F205ZF	120	768K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(24)	2	114	
		STM32F205ZG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(24)	2	114	
		STM32F215ZG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2		1		3(24)	2	114	
STM32F207/217	100	STM32F207VC	120	256K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	
		STM32F207VE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	
		STM32F217VE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(16)	2	82	LQFP100(14x14)
		STM32F207VF	120	768K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	
		STM32F207VG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	
		STM32F217VG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(16)	2	82	
	144	STM32F207ZC	120	256K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	
		STM32F207ZE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	
		STM32F217ZE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	114	LQFP144(20x20)
		STM32F207ZF	120	768K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	
		STM32F207ZG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	
		STM32F217ZG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	114	
	176	STM32F207IC	120	256K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	
		STM32F207IE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	
		STM32F217IE	120	512K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	140	UFBGA176(10x10)
		STM32F207IF	120	768K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	LQFP176(24x24)
		STM32F207IG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	
		STM32F217IG	120	1024K	128K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	140	

* Marked in the table (4+2) means 4 USART and 2 UART. All UARTs have LIN master / slave function. All USARTs have IrDA, ISO7816, modem control and LIN master / slave functions.
Note: In the column "Timer function", (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
Note: All models include two watchdog (independent watchdog and window watchdog), and a RTC which can be maintained by battery.
Note: FSMC = Flexible static memory controller
Note: All products have operating voltage range of 1.8V ~ 3.6V

STM32F4 (ARM Cortex-M4) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	FSMC	Timer 32-bit General Purpose (IC/OC/PWM)	Timer 16-bit General Purpose (IC/OC/PWM)	Timer 16-bit Advance Control (IC/OC/PWM)	16-bit Basic	SPI (I2S)	I2C	USART* +UART	USB FS	USB HS	CAN 2.0B	Ethernet	Camera	Encrypt / Hash	12-bit ADC (CH.)	12-bit DAC (CH.)	I/O Ports	Package
STM32F405/415	64	STM32F405RG	168	1M	192K+4K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	51	LQFP64(10x10)
	64	STM32F415RG	168	1M	192K+4K		2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2			1	3(16)	2	51	
	100	STM32F405VG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(16)	2	82	LQFP100(14x14)
	100	STM32F415VG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2			1	3(16)	2	82	
	144	STM32F405ZG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2				3(24)	2	114	LQFP144(20x20)
	144	STM32F415ZG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2		OTG	2			1	3(24)	2	114	
STM32F407/417	100	STM32F407VE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	LQFP100(14x14)
	100	STM32F407VG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(16)	2	82	
	100	STM32F417VE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(16)	2	82	
	100	STM32F417VG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(16)	2	82	
	144	STM32F407ZE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	LQFP144(20x20)
	144	STM32F407ZG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	114	
	144	STM32F417ZE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	114	
	144	STM32F417ZG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	114	
	176	STM32F407IE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	LQFP176(24x24)
	176	STM32F407IG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1		3(24)	2	140	
	176	STM32F417IE	168	512K	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	140	UFBGA176(10x10)
	176	STM32F417IG	168	1M	192K+4K	•	2(8/8/8)	8(16/16/16)	2(8/8/12)	2	3(2)	3	4+2	OTG	OTG	2	1	1	1	3(24)	2	140v	

* Marked in the table (4+2) means 4 USART and 2 UART. All UARTs have LIN master / slave function. All USARTs have IrDA, ISO7816, modem control and LIN master / slave functions.
Note: In the column "Timer function", (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
Note: All models include two watchdog (independent watchdog and window watchdog), and a RTC which can be maintained by battery.
Note: FSMC = Flexible static memory controller
Note: All products have operating voltage range of 1.8V ~ 3.6V. Working temperture range is -40~+85°C or -40~105°C.

STM32L (ARM Cortex-M3) Ultra Low Power 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	EEPROM (bytes)	Timer 16-bit General Purpose (IC/OC/PWM)	16-bit Basic	Timer 32-bit General Purpose (IC/OC/PWM)	Others	USART*	USB	I2C	SPI (I2S)	12-bit ADC (CH.)	12-bit DAC (CH.)	Comparator	LCD Controller (Segments)	I/O Ports (High Sink)	Package
								STM32L151 without LCD controller												
STM32L	48	STM32L151C6	32	32K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2		37	LQFP48(7x7)
	48	STM32L151C8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2		37	QFN48(7x7)
	48	STM32L151CB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2		37	
	64	STM32L151R6	32	32K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2		51	LQFP64(10x10)
	64	STM32L151R8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2		51	BGA64(5x5)
	64	STM32L151RB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2		51	
	64	STM32L151RC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)	2x WDG RTC	5	1	2	3(2)	21	2	2		51	LQFP64(10x10)
	64	STM32L151RD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	21	2	2		51	
	100	STM32L151V8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	24	2	2		83	LQFP100(14x14)
	100	STM32L151VB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	24	2	2		83	BGA100(10x10)
	100	STM32L151VC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	25	2	2		83(58)	LQFP100(14x14)
	100	STM32L151VD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	25	2	2		83(58)	
	132	STM32L151QC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		109(69)	BGA132(7x7)
	132	STM32L151QD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		109(69)	
	144	STM32L151ZC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		115(75)	LQFP100(14x14)
	144	STM32L151ZD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		115(75)	
								STM32L152 with LCD controller												
STM32L	48	STM32L152C6	32	32K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2	4x16	37	LQFP48(7x7)
	48	STM32L152C8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2	4x16	37	QFN48(7x7)
	48	STM32L152CB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	16	2	2		37	
	64	STM32L152R6	32	32K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2	4x32	51	LQFP64(10x10)
	64	STM32L152R8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2	or	51	BGA64(5x5)
	64	STM32L152RB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	20	2	2	8x28	51	
	64	STM32L152RC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)	2x WDG RTC	5	1	2	3(2)	21	2	2		51(30)	LQFP64(10x10)
	64	STM32L152RD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	21	2	2		51(30)	
	100	STM32L152V8	32	64K	10K	4K	6(16/16/16)	2			3	1	2	2(0)	24	2	2		83	LQFP100(14x14)
	100	STM32L152VB	32	128K	16K	4K	6(16/16/16)	2			3	1	2	2(0)	24	2	2		83	BGA100(10x10)
	100	STM32L152VC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	25	2	2	4x44 or 8x40	83(58)	LQFP100(14x14)
	100	STM32L152VD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	25	2	2		83(58)	
	132	STM32L152QC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		109(69)	BGA132(7x7)
	132	STM32L152QD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		109(69)	
	144	STM32L152ZC	32	256K	32K	8K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		115(75)	LQFP100(14x14)
	144	STM32L152ZD	32	384K	48K	12K	6(16/16/16)	2	1(4/4/4)		5	1	2	3(2)	40	2	2		115(75)	

All products have operating voltage range: 1.8V~3.6V and operating temperature range: -40 ~ 85 ° C.
* Support for IrDA SIR ENDEC, LIN, ISO-7816 smart card interface, and modem control.

STM32W (ARM Cortex-M3) 32-bit Microcontroller Product List (as in June 2012)

Series	Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	Timer 16-bit General Purpose (IC/OC/PWM)	Analog port 12-bit ADC (CH.)	I/O port (High current)	Network Stack	RX Sensitivity	Output Power	Operation Frequency	Power consumption	Package
Wireless Line	40	STM32W108HBU61	24	128K	8K	2(8/8/8)	1/(5)	18		-100dBm (-102dBm @ boost mode)	55dBm~5dBm (-55dBm~8dBm @ boost mode)	2.4GHz - 2.5GHz (16x 5MHz channels)	0.4µA @ deep sleep mode (with retained RAM and GPIO) / 250µA/MHz @ Run mode	Znet Pro VFQFPN40(6x6) IEEE802.15.4 MAC
		STM32W108HBU63						18	RF4CE					
		STM32W108HBU64					1/(5)	18						
	48	STM32W108CBU61	24	128K	8K	2(8/8/8)	1/(6)	24						Znet Pro VFQFPN48(7x7) IEEE802.15.4 MAC
		STM32W108CBU63						24	RF4CE					
		STM32W108CBU64					1/(6)	24						

Note: In the column "Timer", (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
Note: All products have 1xWDG, 1xRTC, and 2 serial interfaces with capabiliy of SPI, I2C and UART.
Note: All products have operating voltage range of 2.1V ~ 3.6V STM32W is an IEEE802.15.4 certified platform

STM8S General Purpose 8-bit Microcontroller Product List (as in June 2012)

Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	EEPROM (bytes)	10-bit ADC Channels	16-bit Timers (Capture/Compare Channels) General Purpose	Advanced[2]	8-bit Timers	UART	I2C	SPI	CAN	Ext. Interrupt	I/O Ports (high sink)	Package
20	STM8S003F3	16	8K	1K	128	5	1(3)	1(4)	1	1	1	1		16	16(12)	TSSOP20,UFQFPN20(3x3)
32	STM8S003K3	16	8K	1K	128	4	1(3)	1(4)	1	1	1	1		27	28(21)	LQFP32(7x7)
	STM8S005K6	16	32K	2K	128	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(12)	
48	STM8S005C6	16	32K	2K	128	10	2(5)	1(4)	1	1	1	1		35	38(16)	LQFP48(7x7)
20	STM8S103F2	16	4K	1K	640	5	1(3)	1(4)	1	1	1	1		16	16(12)	TSSOP20,SO20,UFQFPN20(3x3)
	STM8S103F3	16	8K	1K	640	5	1(3)	1(4)	1	1	1	1		16	16(12)	
	STM8S903F3	16	8K	1K	640	5	1(3)	1(4)	1	1	1	1		16	16(12)	
32	STM8S103K3	16	8K	1K	640	4	1(3)	1(4)	1	1	1	1		27	28(21)	LQFP32(7x7), UFQFPN32(5x5)
	STM8S903K3	16	8K	1K	640	7	1(3)	1(4)	1	1	1	1		28	28(21)	LQFP32(7x7)
	STM8S105K4	16	16K	2K	1K	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(12)	UFQFPN32(5x5)
	STM8S105K6	16	32K	2K	1K	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(12)	SDIP32
44	STM8S105S4	16	16K	2K	1K	9	2(4+1)[1]	1(4)	1	1	1	1		31	34(15)	LQFP44(10x10)
	STM8S105S6	16	32K	2K	1K	9	2(4+1)[1]	1(4)	1	1	1	1		31	34(15)	
48	STM8S105C4	16	16K	2K	1K	10	2(5)	1(4)	1	1	1	1		35	38(16)	LQFP48(7x7)
	STM8S105C6	16	32K	2K	1K	10	2(5)	1(4)	1	1	1	1		35	38(16)	
32	STM8S207K6	24	32K	6K	1K	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(12)	LQFP32(7x7)
	STM8S207K8	24	64K	6K	1K	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(12)	
44	STM8S207S6	24	32K	6K	1K	9	2(4+1)[1]	1(4)	1	2	1	1		31	34(15)	LQFP44(10x10)
	STM8S207S8	24	64K	6K	1.5K	9	2(4+1)[1]	1(4)	1	2	1	1		31	34(15)	
	STM8S207SB	24	128K	6K	1.5K	9	2(4+1)[1]	1(4)	1	2	1	1		31	34(15)	
48	STM8S207C6	24	32K	6K	1K	10	2(5)	1(4)	1	2	1	1		35	38(16)	LQFP48(7x7)
	STM8S207C8	24	64K	6K	1.5K	10	2(5)	1(4)	1	2	1	1		35	38(16)	
	STM8S207CB	24	128K	6K	2K	10	2(5)	1(4)	1	2	1	1		35	38(16)	
64	STM8S207R6	24	32K	6K	1K	16	2(5)	1(4)	1	2	1	1		36	52(16)	LQFP64(10x10 or 14x14)
	STM8S207R8	24	64K	6K	1.5K	16	2(5)	1(4)	1	2	1	1		36	52(16)	
	STM8S207RB	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1		36	52(16)	
80	STM8S207M8	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1		37	68(18)	LQFP80(14x14)
	STM8S207MB	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1		37	68(18)	
44	STM8S208S6	24	32K	6K	1.5K	9	2(4+1)[1]	1(4)	1	2	1	1	1	31	34(15)	LQFP44(10x10)
	STM8S208S8	24	64K	6K	1.5K	9	2(4+1)[1]	1(4)	1	2	1	1	1	31	34(15)	
	STM8S208SB	24	128K	6K	1.5K	9	2(4+1)[1]	1(4)	1	2	1	1	1	31	34(15)	
48	STM8S208C6	24	32K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(16)	LQFP48(7x7)
	STM8S208C8	24	64K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(16)	
	STM8S208CB	24	128K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(16)	
64	STM8S208R6	24	32K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(16)	LQFP64(10x10 or 14x14)
	STM8S208R8	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(16)	
	STM8S208RB	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(16)	
80	STM8S208M8	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	68(18)	LQFP80(14x14)
	STM8S208MB	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	68(18)	

All products have built-in 16MHz RC oscillator and 128KHz RC oscillator and is equipped with an independent watchdog, window watchdog, and clock security monitoring system.
All products have operating voltage range of 2.95V ~ 5.5V, operating temperature range: -40 ~ 85 ° C and -40 ~ 125 ° C.
Note (1): 2 general purpose timers with 5 capture compare channels, where only 4 channels with input\output pins.
Note (2): Each 16-bit advanced timer includes 4 input capture, output compare channel, and 3 complementary PWM output channels dedicated for 3-phase motor control,
in which the 20-pin package only have 2 complementary PWM Output pins.

STM8L Ultra Low Power 8-bit Microcontroller Product List(as in June 2012)

Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	EEPROM (bytes)	16-bit General Purpose (IC/OC/PWM)	16-bit Advance (IC/OC/PWM)	8-bit Basic	Others	USART (1)	I2C	SPI	12-bit ADC	12-bit DAC	Comparator	LCD Controller	I/O Ports (High Sink)	Voltage	Package
										Communication interface			Analog Devices						
STM8L101 Entry line																			
20	STM8L101F1	16	2K	1.5K		2(4/4/4)		1		1	1	1			2		18(16)	1.65V~3.6V	TSSOP20 UFQFPN20(3x3)
20	STM8L101F2	16	4K	1.5K		2(4/4/4)		1		1	1	1			2		18(16)	1.65V~3.6V	TSSOP20 UFQFPN20(3x3)
20	STM8L101F3	16	8K	1.5K	[2K](2)	2(4/4/4)		1	2xWDG 1xBeep	1	1	1			2		18(16)	1.65V~3.6V	TSSOP20 UFQFPN20(3x3)
28	STM8L101G2	16	4K	1.5K		2(4/4/4)		1	2xWDG 1xBeep	1	1	1			2		26(24)	1.65V~3.6V	UFQFPN28(4x4)
28	STM8L101G3	16	8K	1.5K	[2K](2)	2(4/4/4)		1	2xWDG 1xBeep	1	1	1			2		26(24)	1.65V~3.6V	UFQFPN28(4x4)
32	STM8L101K3	16	8K	1.5K	[2K](2)	2(4/4/4)		1		1	1	1			2		30(28)	1.65V~3.6V	LQFP32(7x7), UFQFPN32(5x5)
STM8L151 line without LCD (DMA, BOR)																			
20	STM8L151F2	16	4K	1K	256	2(4/4/4)		1		1	1	1	10		2		18(16)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	TSSOP20 UFQFPN20(3x3)
20	STM8L151F3	16	8K	1K	256	2(4/4/4)		1		1	1	1	10		2		18(16)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	TSSOP20 UFQFPN20(3x3)
28	STM8L151G2	16	4K	1K	256	2(4/4/4)		1		1	1	1	18		2		26(24)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN28(4x4) UFQFPN28(4x4) WLCSP28
28	STM8L151G3	16	8K	1K	256	2(4/4/4)		1		1	1	1	18		2		26(24)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN28(4x4)
28	STM8L151G4	16	16K	2K	1K	2(4/4/4)	1(3/3/4)	1		1	1	1	18	1	2		26(24)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN28(4x4)
28	STM8L151G6	16	32K	2K	1K	2(4/4/4)	1(3/3/4)	1		1	1	1	18	1	2		26(24)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	WLCSP28
32	STM8L151K2	16	4K	1K	256	2(4/4/4)		1		1	1	1	23		2		30(28)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN32(5x5) LQFP32(7x7) UFQFPN32(5x5)
32	STM8L151K3	16	8K	1K	256	2(4/4/4)		1	2xWDG 1xBeep 1xRTC	1	1	1	23		2		30(28)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN32(5x5)
32	STM8L151K4	16	16K	2K	1K	2(4/4/4)	1(3/3/6)	1	2xWDG 1xBeep 1xRTC	1	1	1	22	1	2		30(28)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP32(7x7)
32	STM8L151K6	16	32K	2K	1K	2(4/4/4)	1(3/3/6)	1		1	1	1	22	1	2		30(28)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	UFQFPN32(5x5)
48	STM8L151C3	16	8K	1K	256	2(4/4/4)		1		1	1	1	28		2		40(38)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48 (7x7)
48	STM8L151C4	16	16K	2K	1K	2(4/4/4)	1(3/3/6)	1		1	1	1	25	1	2		41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
48	STM8L151C6	16	32K	2K	1K	2(4/4/4)	1(3/3/6)	1		1	1	1	25	1	2		41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
48	STM8L151C8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	25	2	2		41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
64	STM8L151R6	16	32K	2K	1K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2		54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)
64	STM8L151R8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2		54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)
80	STM8L151M8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2		68(66)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP80(14x14)
STM8L152 line with LCD (DMA, BOR, LCD)																			
32	STM8L152K4	16	16K	2K	1K	2(4/4/4)	1(3/3/6)	1		1	1	1	21	1	2	4x17	29(27)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP32(7x7) UFQFPN32(5x5)
32	STM8L152K6	16	32K	2K	1K	2(4/4/4)	1(3/3/6)	1		1	1	1	21	1	2		29(27)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP32(7x7) UFQFPN32(5x5)
48	STM8L152C4	16	16K	2K	1K	2(4/4/4)	1(3/3/6)	1	2xWDG 1xBeep 1xRTC	1	1	1	25	1	2	4x28	41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
48	STM8L152C6	16	32K	2K	1K	2(4/4/4)	1(3/3/6)	1	2xWDG 1xBeep 1xRTC	1	1	1	25	1	2		41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
48	STM8L152C8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	25	2	2	8x28 or 4x32	41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48(7x7) UFQFPN48(7x7)
64	STM8L152R6	16	32K	2K	1K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2	8x36 or 4x40	54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)
64	STM8L152R8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2		54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)
80	STM8L152M8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2	8x40 or 4x44	68(66)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP80(14x14)
STM8L162 line with LCD (DMA, BOR, AES, LCD)																			
64	STM8L162R8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1	2xWDG 1xBeep 1xRTC	3	1	2	28	2	2	8x36 or 4x40	54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)
80	STM8L162M8	16	64K	4K	2K	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2	8x40 or 4x44	68(66)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP80(14x14)
STM8L value line (DMA, BOR, AES, LCD)																			
20	STM8L051F3	16	8K	1K	2K	2(4/4/4)	0	1	2xWDG 1xBeep 1xRTC	1	1	1	10	0	0	0	18(16)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	TSSOP20(6.5X6.4)
48	STM8L052C6	16	32K	4K	2K	2(4/4/4)	1(3/3/6)	1		1	1	1	25	1	2	4x28	41(39)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP48 (7x7)
64	STM8L052R8	16	64K	4K	256	3(6/6/6)	1(3/3/6)	1		3	1	2	28	2	2	8x40 or 4x44	54(52)	BOR On, 1.65~3.6V BOR Off, 1.8~3.6V	LQFP64(10x10)

All products are built with infrared remote control interface.
All products have operating temperature range: -40 ~ 85 ° C and -40 ~ 125 ° C.
Note: The column "Timer function" (IC / OC / PWM) denotes input capture, output compare and PWM channel number repectively.
(1) USART of STM8L15x series supports IrDA SIR encoder and decoder, and ISO-7816 smart card interface
(2) Up to 2 Kbytes of EEPROM included in the 8 Kbytes of Flash

STM8A Automotive Grade 8-bit Microcontroller Product List (as in June 2012)

Pin Count	Part Number	CPU Max. Clock (MHz)	Program Memory (bytes)	RAM (bytes)	EEPROM (bytes)	10-bit ADC Channels	16-bit Timers (Capture/Compare Channels)		8-bit Timers	Communication Interface				Ext. Interrupt	I/O Ports (high sink)	Package
							General Purpose	Advanced		UART	I2C	SPI	CAN			
32	STM8AF6226	16	8K	512	384	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(9)	LQFP32(7x7), VFQFPN32(5x5)
	STM8AF6246	16	16K	1K	512	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(9)	
	STM8AF6266	16	32k	2K	1K	7	2(4+1)[1]	1(4)	1	1	1	1		23	25(9)	
48	STM8AF6248	16	16K	1K	512	10	2(5)	1(4)	1	1	1	1		35	38(9)	LQFP48(7x7)
	STM8AF6268	16	32K	2K	1K	10	2(5)	1(4)	1	1	1	1		35	38(9)	
	STM8AF6288	24	64k	4k	1.5k	10	2(5)	1(4)	1	2	1	1		35	38(9)	
	STM8AF62A8	24	128k	6K	2K	10	2(5)	1(4)	1	2	1	1		35	38(9)	
64	STM8AF6269	24	32K	2K	1K	16	2(5)	1(4)	1	2	1	1		36	52(9)	LQFP64(10x10)
	STM8AF6289	24	64K	4K	1.5K	16	2(5)	1(4)	1	2	1	1		36	52(9)	
	STM8AF62A9	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1		36	52(9)	
80	STM8AF628A	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1		37	68(11)	LQFP80(14x14)
	STM8AF62AA	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1		37	68(11)	
48	STM8AF5268	24	32K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(9)	LQFP48(7x7)
	STM8AF5288	24	64K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(9)	
	STM8AF52A8	24	128K	6K	2K	10	2(5)	1(4)	1	2	1	1	1	35	38(9)	
64	STM8AF5269	24	32K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(9)	LQFP64(10x10)
	STM8AF5289	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(9)	
	STM8AF52A9	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	52(9)	
80	STM8AF528A	24	64K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	68(11)	LQFP80(14x14)
	STM8AF52AA	24	128K	6K	2K	16	2(5)	1(4)	1	2	1	1	1	37	68(11)	

All products are built-in 16MHz RC oscillator and 128K RC oscillators, each with an independent watchdog, and window watchdog, and clock security monitoring system.
All products have operating voltage range is 2.95V ~ 5.5V, operating temperature range: -40 ~ 85 ° C, -40 ~ 125 ° C and -40 ~ 150 ° C.
Note (1): 2 general purpose timers with 5 capture compare channels, where only 4 channels with input\output pins.
Note (2): Each 16-bit advanced timer includes 4 input capture, output compare channel, and 3 complementary PWM output channels dedicated for 3-phase motor control, in which the 20-pin package only have 2 complementary PWM Output pins.