

STMicroelectronics Microcontrollers



STMicroelectronics

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THIRD-PARTY SOFTWARE AND TOOLS

Users can choose from a full range of development solutions that deliver start to finish control of application development from a single environment. Solutions come with in-circuit emulators, and offer project management, source editing, application building and debugging from a single, easy-to-use graphical interface. They are available for all popular C/C++ compilers compatible with ARM cores.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STM3210EPRIMER2	EVOPrimer Raisonance Toolset for the STM32 Performance Line preloaded with 64Kb RAM, Flash, Ride7, a C/C++ compiler, Circle OS task scheduler and C source code for all sample applications and libraries.			98.50
511	—STM3210CPRIMER	EVOPrimer Raisonance Toolset for the STM32 Performance Line preloaded with 256Kb RAM, Flash, Ride 7, a C/C++ compiler, Circle OS task scheduler and C source code for all sample applications and libraries.			120.48
511	—STMPRIMER-BASE	EVOPrimer Raisonance base accessory for use with Target and extension Boards for the STM32 Line with removable transparent cover, USB cable with debugging/programming interface and most hardware features for MCU evaluation. This board can also be extended by add-on connectors.			96.00
511	—STMPRIMER-PROTO	STMPPrimer accessory for prototype target STM32 extension boards.			79.20
511	—STM3210CPRIM-D	STMPRIMER accessory including 264KB flash for the STM32 MCU target boards for use with the EvoPrimer base.			28.50
511	—STM3210EPRIM-D	STMPRIMER accessory including 512KB flash for the STM32 MCU target boards for use with the EvoPrimer base.			28.50
511	—STM3210C-SK/KEIL	Starter kit with uVision3, ARM RealView C/C++ compiler for code up to 16 Kbytes, ULINK-ME (USB/JTAG) in-circuit debugger/programmer and evaluation board with STM32F107C (256-kbyte Flash, Ethernet, USB Host and OTG).			312.50
511	—STM3210E-SK/KEIL	Kit includes RealView Microcontroller Development, Kit for ARM (16 K code-size limited version) with ARM C/C++ compiler, ULINK (USB/JTAG) in-circuit emulator and evaluation board for STM32 with external 1M RAM, 8M flash, and joystick for primer 2 applications.			332.05
511	—STM3210E-SK/IAR	Kit includes IAR Embedded Workbench for ARM (EWARM - 32 K code-size limited version), J-Link (USB/JTAG) in-circuit emulator and evaluation board for STM32, E-version 512KB flash memory for Primer 2 applications.			311.75
511	—STM3220G-SK/IAR	Complete, cost-effective solution for starting application development and evaluating the STMicroelectronics STM32 F2-series ARM core-based microcontrollers.			297.00

STM32 GRAPHIC PANEL BOARD

The STM32-based STEVAL-CCM001V2 graphic panel demonstration board display images one by one in a slideshow fashion. The heart of this board is the STM32 microcontroller, which is capable of reading a memory card containing photographs, and display them on a TFT screen. The memory used to store the images is a microSD card. A 3-axis MEMS accelerometer is used for the picture orientation. The application can be used either as a standalone solution, or combined with other applications such as POS, card readers, security panels, USB speakers or high-end remote controls.

STM8L101:

- Microcontroller: STM32-HD (64 KB RAM)
- 320 x 240 resolution parallel TFT screen using FSMC peripheral for faster display
- Bluetooth module footprint
- ZigBee® for picture transfer
- MicroSD card interfaced through SDIO
- USB Mini-B connector
- On-board JTAG connector for firmware upgrade and modifications



MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STEVAL-CCM001V2	STM32-based graphic panel demonstration board display based on STM32 MCU containing photographs for a TFT screen with microSD and 3-axis MEMS			143.06

STM8L ULTRA-LOW-POWER 8-BIT

STMicroelectronics has introduced its first ultra-low-power family based on the 8-bit STM8 core. Paving the way for a future complete ultra-low-power platform, the STM8L family combines high performance and ultra-low power consumption thanks to a new proprietary ultra-low-leakage process and optimized architecture. This family is declined in three different lines making the STM8L an optimal family to support many applications with special care on power savings.

STM8L101:

- Lowest power mode: 0.35 µA
- Dynamic run mode: 150 µA/MHz
- STM8L101:
- Lowest power mode: 0.4 µA
- Dynamic run mode: 192 µA/MHz



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Prog. Mem.	Memory Type	RAM	A/D Inputs	Timers	Serial Interface	I/Os (Hi-Curr)	Special Features	Price Each		
Mfr.	Mfr. Part No.										1	10	100
511	—STM8L101F2P6	TSSOP-20	4K	Flash	1.5K	-----	2x16-Bit, 1x8-Bit	SPI, I2C, USART	18 (16)	IWD, AWU, beeper	2.20	2.00	1.82
511	—STM8L101F3U6ATR	UFQFPN-20	8K	Flash	1.5K	-----	2x16-Bit, 1x8-Bit	SPI, I2C, USART	18 (16)	IWD, AWU, beeper	2.51	2.27	2.07
511	—STM8L101F3U6TR	UFQFPN-20	8K	Flash	1.5K	-----	2x16-Bit, 1x8-Bit	SPI, I2C, USART	18 (16)	IWD, AWU, beeper	2.51	2.27	2.07
511	—STM8L101K3T6	LQFP-32	8K	Flash	1.5K	21x12-Bit	2x16-Bit, 1x8-Bit	SPI, I2C, USART	18 (16)	IWD, AWU, beeper	2.95	2.66	2.13
511	—STM8L152C4T6	LQFP-48	16K	Flash	2K	25x12-Bit	3x16-Bit, 1x8-Bit	SPI, I2C, USART (IrDA,ISO7816)	41 (39)	2xWDOG, AWU, RTC, beeper	2.97	2.65	2.17
511	—STM8L151C6T6	LQFP-48	32K	Flash	2K	25x12-Bit	3x16-Bit, 1x8-Bit	SPI, I2C, USART (IrDA,ISO7816)	41 (39)	2xWDOG, AWU, RTC, beeper	2.86	2.55	2.09
511	—STM8L152C6T6	LQFP-48	32K	Flash	2K	25x12-Bit	3x16-Bit, 1x8-Bit	SPI, I2C, USART (IrDA,ISO7816)	41 (39)	2xWDOG, AWU, RTC, beeper	3.22	2.87	2.35

STM8L Development Boards

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STM8L-DISCOVERY	For the STM8L152C6T6 which includes ST-Link embedded debug tool interface, LCD (24 segments, 4 commons), LEDs and push buttons.			11.85
511	—STM8L152E-EVAL	For STM8L152C6 which supports I2C, SPI, USART, 12-bit ADC, 12-bit DAC, LCD driver, 2 KB internal SRAM, 32 KB EEPROM and SWIM debugging.			198.75
511	—STM8L15LPBOARD	Low-power demo board demonstrates all the STM8L15x low-power modes, and permits the user to take consumption measurements in all modes.			58.50
511	—STM8L1526PRIMER	EvoPrimer STM8L Ultralow power line complete evaluation tool including base and target board with 32KB Flash, program / debug USB port, 3 character display, 8 segments, temperature sensor, MEMS accelerometer, rechargeable battery, solar cells, and push buttons.			120.48
511	—STM8L1526PRIM-D	STMPRIMER accessory including 32KB flash for the STM8L MCU target boards for use with the EvoPrimer base.			38.00

STM8S GENERAL PURPOSE 8-BIT

The STM8S family of general-purpose 8-bit Flash microcontrollers offers ideal solutions for industrial and appliance market requirements. An advanced core version combined with a 3-stage pipeline ranks the STM8S in the top position for performance to cost ratio. The embedded EEPROM and the calibrated RC oscillator allow a significant cost effectiveness. An easy-to-use and intuitive development environment contributes improving time to market.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Prog. Mem.	Memory Type	RAM	A/D Inputs	Timers	Serial Interface	I/Os (Hi-Curr)	Special Features	Price Each		
Mfr.	Mfr. Part No.										1	10	100
511	—STM8S105C6T6	LQFP-48	32K	Flash	2K	10x10-bit	3x16-Bit, 1x8-Bit	SPI, I2C, UART (IrDA,ISO7816)	38 (16)	2xWDOG, beep	3.14	2.80	2.29
511	—STM8S207K6T6C	LQFP-32	32K	Flash	2K	7x10-bit	3x16-Bit, 1x8-Bit	SPI, I2C, UART (IrDA,ISO7816)	25 (12)	2xWDOG, beep	3.42	3.05	2.50
511	—STM8S207CBT6	LQFP-48	128K	Flash	6K	16x10-bit	3x16-Bit, 1x8-Bit	SPI, I2C, 2xUART (IrDA,ISO7816)	38 (16)	2xWDOG, beep	4.56	4.07	3.34
511	—STM8S207RBT6	LQFP-64	128K	Flash	6K	16x10-bit	3x16-Bit, 1x8-Bit	SPI, I2C, 2xUART (IrDA,ISO7816)	52 (16)	2xWDOG, beep	5.01	4.47	3.66
511	—STM8S208MBT6B	LQFP-80	128K	Flash	6K	16x10-bit	3x16-Bit, 1x8-Bit	SPI, I2C, 2xUART (IrDA,ISO7816), CAN	68 (18)	2xWDOG, beep	5.91	5.27	4.32

STM8S Development Boards

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STM8S-DISCOVERY	For the STM8S105 which includes ST-Link embedded debug tool interface, and touch sensing button.			9.60
511	—STEVAL-ILM001V1	Plug-in hardware module for the STM8S-DISCOVERY interface for DALI communication			58.50