

STMICROELECTRONICS Microcontrollers



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Products may be RoHS compliant. Check mouser.com for RoHS status.



For quantities greater than listed, call for quote.

CORTEX DEVELOPMENT TOOLS

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
M0					
511	—STM32F0DISCOVERY	STM32 F0 Entry-level Cortex M0 DIP module evaluation board with USB debug interface.			7.99
511	—STM320518-EVAL	Evaluation board for STM32 F0 series fitted with an STM32F051 48 MHz Entry-level Cortex M0 CPU and QVGA LCD display.			199.00
M3					
511	—STM32L152-EVAL	Complete hardware emulation platforms with the STM32L152, implementing the full range of device peripherals and features			248.75
511	—STM32L-DISCOVERY	Includes a 6-digit LCD display, one touch-sensing slider, 2 LEDs, 1 user button, current measurement and the embedded debugger (ST-LINK/V2).			12.00
511	—STM32VLDISCOVERY	Includes an STM32F100 and an in-circuit ST-Link debugger/programmer to debug Discovery applications and other target board applications.			9.88
511	—STM32100B-EVAL	STM32F100V EVB with HDMI CEC, 2xI2C, 2 SPI channels, 3 USART channels, 8KB SRAM, 128 KB internal Flash, JTAG and SWD debugging.			235.00
511	—STM32100B-MCKIT	Starter kit (w/STM32F100B) provides a complete development platform for motor control applications			1373.75
511	—STM3210E-EVAL	512K version of complete hardware evaluation platform with the STM32F103, implementing the full range of device peripherals and features.			248.75
511	—STM3210C-EVAL	Complete Connectivity Platform with USB-OTG, MAC, 2 CAN2.0, 2I2C, 5 USART, Smartcard, SPI, JTAG, SWD and Debugging Support			298.75
511	—STM32-COMSTICK	Complete low-cost Hitec evaluation supporting 10/100 ethernet, USB 2.0, Full-speed device/host/OTG with on-chip PHY and CAN			78.75
511	—STEVAL-IPC003V1	Demonstration board is a thermal printer adapter board for the STM3210C-EVAL and offers a solution for parking ticket vending machines.			62.50
511	—STM32L152-SK/IAR	IAR KickStart Kit for STM32L EnergyLite ARM, IAR visualSTATE 20-state eval with embedded IAR J-link Lite debugging probe			186.25
511	—STM3221G-EVAL	The STM3221G-EVAL evaluation board is a complete demonstration and development platform for the STM32F2 series and includes an embedded STM32F2171GH6 high-performance ARM Cortex-M3 32-bit microcontroller			348.75
511	—STM32MICOS-EVAL	The STM32-MICRIUM package consists of an evaluation board and a book. Step-by-step look at the inner workings of Micrium's latest real-time kernel, μ C/OS-III.			198.75
M4					
511	—STM32F3DISCOVERY	Includes devices with 64 to 256 Kbytes of on-chip flash memory and up to 48 Kbytes of SRAM			10.90
511	—STM32F4DISCOVERY	Based on the STM32F407VGT6, it includes an ST-LINK/V2 embedded debug tool, two ST MEMS, digital accelerometer and digital microphone, one audio DAC with integrated class D speaker driver, LEDs and push buttons and an USB OTG micro-AB connector			14.87
511	—STM32373C-EVAL	Eval Board for STM32373C, 72MHz analog integration to complement STM32 F1 and F4 Series			249.00
511	—STM3240G-EVAL	Evaluation board for the STM32 F4 series and includes an STM32F4071GH6 high-performance ARM@ Cortex™-M4F 32-bit microcontroller.			348.75
511	—STM3241G-EVAL	Evaluation board for the STM32 F4 series and includes an STM32F4171GH6 high-performance ARM@ Cortex™-M4F 32-bit microcontroller with a cryptographic acceleration cell.			348.75
511	—STM3240GSKKEI	Keil starter kit is a complete solution for starting application development and evaluating STM32F4 Series ARM Cortex-M4			357.75
511	—STM32F4DISCOVERY	Based on the STM32F407VGT6, it includes an ST-LINK/V2 embedded debug tool, two ST MEMS, digital accelerometer and digital microphone, one audio DAC with integrated class D speaker driver, LEDs and push buttons and an USB OTG micro-AB connector			14.87
511	—STM3240G-EVAL	Evaluation board for the STM32 F4 series and includes an STM32F4071GH6 high-performance ARM@ Cortex™-M4F 32-bit microcontroller.			348.75
511	—STM3241G-EVAL	Evaluation board for the STM32 F4 series and includes an STM32F4171GH6 high-performance ARM@ Cortex™-M4F 32-bit microcontroller with a cryptographic acceleration cell.			348.75

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.



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MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STM3210CPRIMER	EVOPrimer Reasonance 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.			98.75
511	—STMPRIMER-BASE	EVOPrimer Reasonance 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.			75.00
511	—STMPRIMER-PROTO	STMPRIMER accessory for prototype target STM32 extension boards.			60.00
511	—STM3210CPRIM-D	STMPRIMER accessory including 264KB flash for the STM32 MCU target boards for use with the EvoPrimer base.			23.75
511	—STM32135PRIM-D	STMPRIMER accessory including 256KB flash for the STM32 and STM8 MCU target boards for use with the EvoPrimer base.			38.57
511	—STM3240GPRIM-D	STMPRIMER accessory including 256KB flash for the STM32 and STM8 MCU target boards for use with the EvoPrimer base.			98.75
511	—STMPRIMER-EXT	STMPRIMER accessory including 256KB flash for the STM32 and STM8 MCU target boards for use with the EvoPrimer base.			115.00
511	—STM3210C-SK/KEIL	Starter kit with uVision3, ARM RealView C/C++ compiler for code up to 16Kbytes, 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 (16K 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.			286.25
511	—STM3210E-SK/IAR	Kit includes IAR Embedded Workbench for ARM (EWARM - 32K 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.			268.75
511	—STM3220G-SK/IAR	Complete, cost-effective solution for starting application development and evaluating the STMicroelectronics STM32 F2-series ARM core-based microcontrollers.			286.25
511	—STM3220G-JAVA	Kit is composed of the STM3220G-EVAL evaluation board and a DVD ROM which contains an evaluation version of the MicroEJ® Software Development Kit			349.00

ST FLASH STICK (ST IN-CIRCUIT COMMUNICATION KIT); 8-BIT

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STX-RLINK	In-Circuit debugger/programmer supporting JTAG and ICC protocols for STM8, ST7, uPSD, STM32, STR7 and STR9			64.14

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.

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			143.13

STM32 Development Board



MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
511	—STM3220G-EVAL	Full range of hardware features on the board USB OTG HS, USB OTG FS, ethernet, motor control, CAN, MicroSD card, smartcard, USART, Audio DAC, RS-232, IrDA, SRAM, MEMS, EEPROM to develop applications.			348.75

ST6 GENERAL PURPOSE CONTROL 8-BIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package Type	Prog. Mem.	Memory Type	RAM	E ² PROM	A/D Inputs	Timers	I/Os (HI-Curr)	Special Features	Price Each		
Mfr.	Mfr. Part No.										1	10	100
Thru Hole													
511	—ST6T265CB6	DIP-28	2K	OTP EPROM	128	128	13x8-Bit	1x8-Bit	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	6.88	5.76	4.59
511	—ST6T25CB6	DIP-28	4K	OTP EPROM	64	---	16x8-Bit	1x8-Bit	20 (4)	RC oscillator, OSG, ROP	5.98	5.40	4.41

STR7 SERIES ARM7TDMI® CORE, 32-BIT

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MOUSER STOCK NO.		Package Type	Prog. Mem.	RAM	A/D Inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	Price Each		
Mfr.	Mfr. Part No.									1	10	100
Surface Mount												
511	—STR711FR1T6	LQFP-64	128K+16K	32K	4x12-bit	4x16-bit	2xSPI/2xI2C/4xUART/HDLC/SC/USB	30 (0)	WDG, RTC	13.12	12.07	10.23
511	—STR712FR2T6	LQFP-64	256K+16K	64K	4x12-bit	4x16-bit	2xSPI/2xI2C/4xUART/HDLC/SC/CAN	32 (0)	WDG, RTC	13.53	12.29	10.43
511	—STR731FV2T6	LQFP-100	256K+16K	---	12x10-bit	15x16-bit	3xSPI/2xI2C/4xUART/3xCAN	72 (0)	WDG, RTC	17.07	15.70	13.31