



ST Microelectronics - STM3210E-SK/IAR Starter Kit

Product Overview:

The IAR KickStart kits are complete, cost-effective solutions for starting application development and evaluating STMicroelectronics' ARM core-based microcontrollers.

The KickStart kit's come with all the hardware and software you need to start developing applications including the KickStart development board with target microcontroller, the IAR J-Link in-circuit debugger/programmer (USB/JTAG) and IAR Embedded Workbench™ for ARM (EWARM) integrated development environment with the KickStart edition of the IAR C/C++ compiler (output code up to 32 Kbytes), built-in Flash loader and sample projects for all device peripherals.

IAR KickStart kits provide evaluation and development support for a full range of ST ARM core-based microcontrollers.



Kit Contents:

The IAR development software includes:

- IAR Embedded Workbench for ARM
- Visual STATE 20-state version
- J-Link
- KickStart development board

Key Features:

- The IAR Embedded Workbench™ for ARM® (EWARM) software package with:
 - KickStart™ C/C++ compiler for output of code up to 32 Kbytes
 - Visual State™ code generator, 20-state version
 - C-SPY high-level language debugger
 - Editor, linker and librarian tools
- J-Link in-circuit debugger/programmer with USB interface to host PC and 20-pin JTAG application interface (embedded on some kits)

- Full-featured KickStart™ development board with target microcontroller.

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
STM3210E-SK/IAR	ST Microelectronics	1706352	08R5896

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
STM32F101C6T6	ST Microelectronics	ARM-based 32-bit MCU	1447627	59M2174
SN65HVD230D	Texas Instruments	CAN Transceiver	1103105	75C7744
ST3232EBDR	ST Microelectronics	RS232 Transceiver	1467753	89K1002
LD1086D2M33TR	ST Microelectronics	Voltage Regulator	1261180	89K0608

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
STM3210B-SK/HIT	ST Microelectronics	Hitex starter kits for ST ARM core-based microcontrollers	STM32F101C8, STM32F101CB, STM32F101R8 and more	1606330	01P4108
STM3210B-SK/KEI	ST Microelectronics	Keil™ starter kits for ST ARM core-based microcontrollers	STM32F101C8, STM32F101CB, STM32F101R8 and more	1502506	62M0194
STM3210B-SK/RAIS	ST Microelectronics	Resonance Reva starter kits for ST ARM core-based microcontrollers	STM32F101C8, STM32F101CB, STM32F101R8 and more	1606332	57P1278

Document List:

Datasheets:

Part Number	Description	Size
STM32F101x8/B	ARM-based 32-bit MCU	988KB
ST3232EB	RS-232 drivers and receivers	804KB
LD1086D2M33TR	1.5 A low drop positive voltage regulator	705KB
SN65HVD230	3.3 V Can Transceivers	644KB

Application Notes:

File Name	Size
How to migrate from the STM32F10xxx firmware library V2.0.3 to the STM32F10xxx standard peripheral library V3.0.0	1.5MB
Clock/calendar implementation on the STM32F10xxx microcontroller RTC	433KB
TFT LCD interfacing with the high-density STM32F10xxx FSMC	804KB
Improving STM32F101xx and STM32F103xx ADC resolution by oversampling	200KB
STM32F10x in-application programming using the USART	257KB