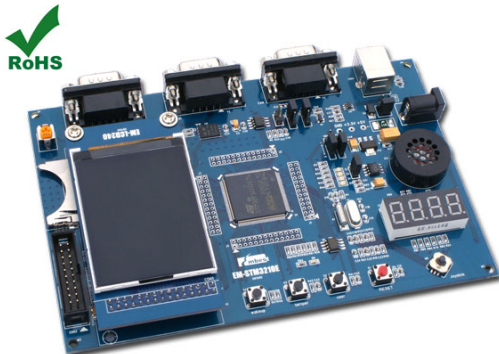


Tech First Kit-Embest-EM-STM3210E-ARM-EVK

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Overview



This is the low cost development kit for STM32F103ZE (72MHz, the very popular ARM Cortex-M3 processor), including the STM32F103ZE evaluation board (STM3210E Board) (SZE1) and Emlink for ARM(EAH1) JTAG adapter, so the developers can easy start to learn and test all the relevant applications on it, or evaluate your new project design through this entire system.

Take the EM-STM32F103ZE out of its box. Included in the box are:

- One STM3210E ARM-CM3 Board
- One RS-232 Serial Cable

- One USB Cable
- One 2.4" TFT LCD Panel (240x320)

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AT91SAM3U Evaluation Board

- Includes one 2.4" TFT LCD
- STM32F103ZE, ARM Cortex-M3 based, 72MHz
- 512KB Flash memory and 64KB SRAM
- XTAL Frequency: 8 MHz
- Two RS232 Interface
- One CAN interface
- One USB Device Interface
- One TFT LCD interface
- One MicroSD Card interface
- One 20pins JTAG Interface
- Four Push Buttons (Reset, Wake Up, Tampering, User)
- One Joystick with 4-direction control and selector
- One RTC Unit with backup Battery
- One Temperature Sensor
- One Analog Input (connected to potentiometer)
- One Analog Output (connected to speaker by default)
- Supply Voltage: 5 Volts DC (provided by USB Cable)

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Products

Supplier	Part Number
Embtest	EM-STM3210E

Associated Products

Supplier	Description	Part Number
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ST	32Bit ARM Cortex	STM32F103C8T6
Embest	Emlink for ARM	EMLINK-AH
Embest	Emlink for ARM License	SW_LICA
SPC Technology	Shielded Serial Cable Assembly	SPC19944
SPC Technology	Standard 9 Pin D-Subminiature Connector	SPC15457
SPC Technology	Category 5e Cable Assembly	SPC21961
TYCO Electronics	RJ45 JACK	555052-1
Mill Max	USB Connector	897-43-004-90-000000

Similar Products

Supplier	Description	Support Device	Part Number
ST	Hitex starter kits for ST ARM core-based MCUs	ST ARM core-based MCUs	STM3210E-SK/HIT
ST	IAR starter kits for ST ARM core-based MCUs	ST ARM core-based MCUs	STM3210E-SK/IAR
ST	Keil starter kits for ST ARM core-based MCUs	ST ARM core-based MCUs	STM3210E-SK/KEIL
ST	Starter kits for ST ARM core-based MCUs	STM32F103ZE	STM3210E-SK

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Data Sheet

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
STM32F103C8T6	32-Bit Cortex ARM	1.1MB

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