



STM3210B-PRIMER

Raisonance STM32 Primer for fun, easy evaluation and development with STM32

Data Brief

Features

- STM32 Primer with STM32F103B and:
 - In-circuit debugging/programming via dedicated USB connection to the host PC
 - Ergonomic design, MEMs-based controls
 - Evaluation features including USB connector, 128x128 pixel color LCD, MEMs sensor, buzzer, IrDA transceiver footprint
- RIDE7 development software toolset with project manager, editor and high-level language debugging. Debug up to 32 Kbytes of code.
- GNU C/C++ compiler, no code size limitations
- CircleOS task scheduler with features for dynamic loading and management of new applications
- C source code for all sample applications and libraries including:
 - MEMs (GUI application controls)
 - LCD (graphical interface, games, bitmap converter)
 - more to come...
- Dedicated online community and resources at **stm32circle** web site.

Description

The **STM32 Primer** from Raisonance is a uniquely fun, easy, low-cost tool for exploring and developing with the STM32 ARM Cortex™-M3 core-based microcontrollers.

Start exploring the power of STM32 by playing with the included applications. The Primer's STM32F103B drives a fun, ergonomic hardware platform that includes a graphical user interface with MEMs-based controls for navigating and controlling the GUI and game applications. When running the applications, the Primer can function in standalone mode powered by a battery that is recharged via a USB connection.



To learn more about STM32, the Primer includes everything users need to understand how the sample applications function, modify them and even create new applications. The Primer plugs directly into a host PC's USB port for in-circuit debugging and programming, and comes with Raisonance's RIDE7 software toolset for STM32.

RIDE7 drives the hardware and offers a full range of project management, source code editing and debugging features from an intuitive graphical interface. The included version allows debug of applications up to 32 Kbytes in size. For information about upgrade to the unlimited version, refer to the **stm32circle** web site.

The included **GNU C/C++ compiler** allows unlimited compilation of applications for STM32. The compiler controls are fully integrated into the RIDE7 interface allowing building and rebuilding of applications without leaving the integrated development environment.

All the preloaded sample applications, new applications and the CircleOS task scheduler can be downloaded for free from the **stm32circle** web site. This Primer dedicated internet site also provides FAQ, user forums, links to development resources and much more.

Note: In addition to STM32, Raisonance RIDE7 also supports the complete range of STR7/9 ARM core-based, 32-bit devices, as well as the ST7 and uPSD 8-bit microcontroller families. For details about available compilers and special features for each family, refer to the STMicroelectronics microcontroller support site on www.st.com.

Ordering information

The STM32 Primer can be ordered from STMicroelectronics' sales offices and distributors using the order code:

STM3210B-PRIMER – STM32 Primer with Raisonance software tools (RIDE7, GNU C/C++ compiler), CircleOS task manager and sample application code implementing a range of device peripherals.

For more information and complete documentation, please refer to www.stm32circle.com or the STMicroelectronics microcontroller support site on www.st.com.

Revision history

Table 1. Document revision history

Date	Revision	Changes
8-Oct-2007	1	Initial release.

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