STM32W-SK
STM32W-EXT

Starter and extension kits for STM32W108xx microcontrollers

Data brief

Features

- 32-bit ARM® Cortex™-M3 microprocessor
- 2.4 GHz, IEEE 802.15.4-compliant transceiver
- Suitable for different types of wireless network scenarios such as:
  - Remote control and target networks (based on the ZigBee RF4CE protocol stack) used for driving consumer devices such as TVs and set-top boxes, and HID devices such as a mouse or keyboard.
  - Point to point networks (based on a Simplified MAC library) used to address a basic IEEE 802.15.4 communication. This configuration enables customers to develop any protocol stack of their choice.

Description

The STM32W-SK and STM32W-EXT starter and extension kits are easy to use tools for the STM32W108xx microcontrollers. This family of microcontrollers integrates a 32-bit ARM® Cortex™-M3 microprocessor and a 2.4 GHz, IEEE 802.15.4-compliant transceiver. The kits demonstrate how effectively the STM32W108xx can be used in real IEEE 802.15.4 applications.

The STM32W108xx kits provide demonstration applications and documentation which serve as a reference for creating your own applications and re-programming the STM32W108xx microcontroller. You can run the STM32W108xx kits in several ways (remote control/target, HID devices such as a mouse or keyboard and point-to-point applications), using the dedicated software libraries (ZigBee RF4CE, and Simplified MAC), as well as a third-party IDE and C compiler (IAR).

Moreover, the STM32W108xx kits provide a set of APIs which allow you to use the kit platform capabilities such as LEDs and serial communication channels (virtual COM through USB).

Starter kit (STM32W-SK)

Extension kit (STM32W-EXT)

1. The Starter kit picture is not contractual.

1 Ordering information

Table 1. List of kit order codes

Kit name	Order code
STM32W108 starter kit (128-Kbyte Flash MCU)	STM32W108B-SK (1)
STM32W108 starter kit (256-Kbyte Flash MCU)	STM32W108C-SK
STM32W108 extension kit (128-Kbyte Flash MCU)	STM32W108B-KEXT (2)
STM32W108 extension kit (256-Kbyte Flash MCU)	STM32W108C-KEXT

1. STM32W108B-SK is replaced by STM32W108C-SK.
2. STM32W108B-KEXT is replaced by STM32W108C-KEXT.

Revision history

Table 2. Document revision history

Date	Revision	Changes
16-Sep-2010	1	Initial release.
20-Jul-2012	2	Updated *Features* and *Ordering information*. Added pictures on cover page.
26-Jul-2012	3	Update STM32W-SK picture on cover page. Removed note 1 in *Table 1: List of kit order codes*.
20-Nov-2012	4	Added note 1 to *Table 1: List of kit order codes*.

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST’s terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST’S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER’S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Development Boards & Kits - ARM ***category:***

Click to view products by STMicroelectronics ***manufacturer:***

Other Similar products are found below :

CWH-CTP-VSPA-YE CY4541 EVAL-ADUCM320IQSPZ FRDM-KV31F POLYPOD-BGA324 POLYPOD-TQ144 POLYPOD-TQ176 KEA128LEDLIGHTRD KIT_XMC42_EE1_001 SAFETI-HSK-RM48 ADM00573 FRDM-KL28Z PICOHOBBITFL MCIMX53-START-R KEA128BLDCRD CC-ACC-MMK-2443 STM8L1528-EVAL YSPKS5D9E10 YGRPEACHFULL TWR-MC-FRDMKE02Z TWR-K80F150M CY14NVSRAMKIT-001 EVALSPEAR320CPU EVB-DBSUB1586 EVB-SCMIMX6SX MAXWSNENV# FM0-64L-S6E1C3 MAX32600-KIT# TMDX570LS04HDK Z32F3840100KITG LS1021A-IOT-B SK-FM3-100PMC-MB9BF516N TXSD-SV70 YSTBS3A3E10 YR8A77430HA02BG STM3240G-USB/NMF OM13080UL EVAL-ADUC7120QSPZ CYDP-KIT-13638 OM13082UL OM13063UL ATAVRPARROT OM13090UL YSPEHMI1S20 TXSD-SV71 YGRPEACHNORMAL SK-FM3-176PMC-ETHERNET HVP-KV11Z75M LX2RDBKIT2-25G LX2RDBKIT1-10-40