I-CUBE-IWIN
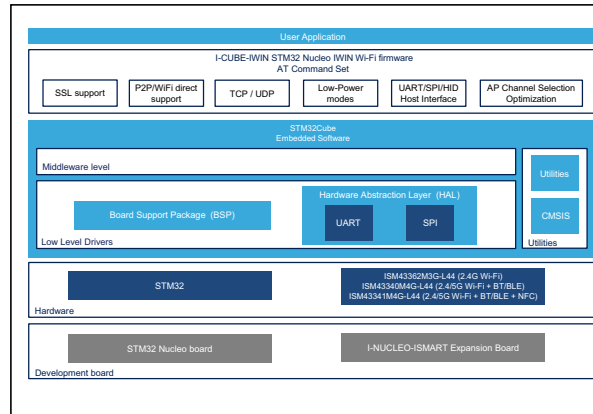
IWIN Wi-Fi software expansion for STM32

Features

- 100+ IWIN AT commands for maximum configurability
- Only ten AT commands necessary for Wi-Fi communication
- SSL support for HTTPS (Two sets of programmable certificates and keys)
- Several cloud agents supported
- Soft AP (Infrastructure Mode) supports iOS, Android™, Windows® Phone
- Configuration Web Server
- Peer-to-Peer / Wi-Fi Direct Support
- TCP and UDP Protocol
- UART and SPI host interfaces
- Auto-Channel Selection algorithm for optimizing AP Mode Channel Selection in congested environments

For further information contact your local STMicroelectronics sales office.

www.st.com

Description

The I-CUBE-IWIN firmware package enables a very simple and intuitive AT command set design environment. With only ten of these commands necessary to quickly get up and run with a Wi-Fi connected application, user easily accelerates the IoT development and ensures maximum interoperability performance. IWIN stands for Inventek Wireless Interoperability Network.

Intended for the STM32 Nucleo ISMART Wi-Fi platform, this package incorporates STM32Cube embedded software with Inventek IWIN firmware for a seamless and user friendly wireless design environment.

Inventek ISMART (Inventek Systems Module ARduino Test) Wi-Fi platform enables customers to easily expand the functionalities of STM32 Nucleo boards for development of IoT applications. The I-CUBE-IWIN design environment enables customers to select any STM32, three Inventek wireless module options and target cloud services. To get more details, refer to the I-NUCLEO-IWIN webpage at the *www.st.com* website.

This product is supplied by a third party not affiliated to STmicroelectronics. For the latest information on the specification and the package of the purchased parts, refer to the third party's website at www.inventeksys.com

Revision history

Table 1. Document revision history

Date	Revision	Changes
20-Jun-2016	1	Initial release.

IMPORTANT NOTICE – PLEASE READ CAREFULLY