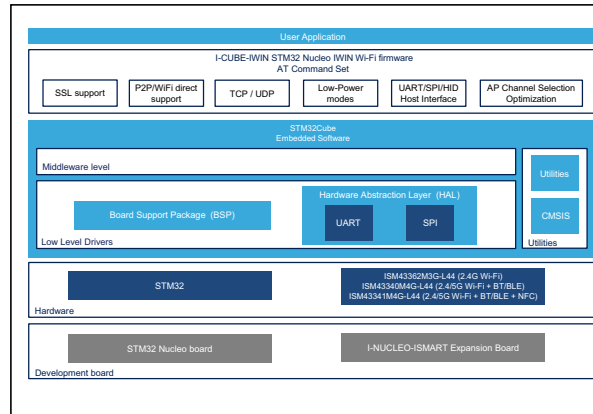


## IWIN Wi-Fi software expansion for STM32

Data brief

### 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



## 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](http://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](http://www.inventeksys.com)

## Revision history

**Table 1. Document revision history**

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

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