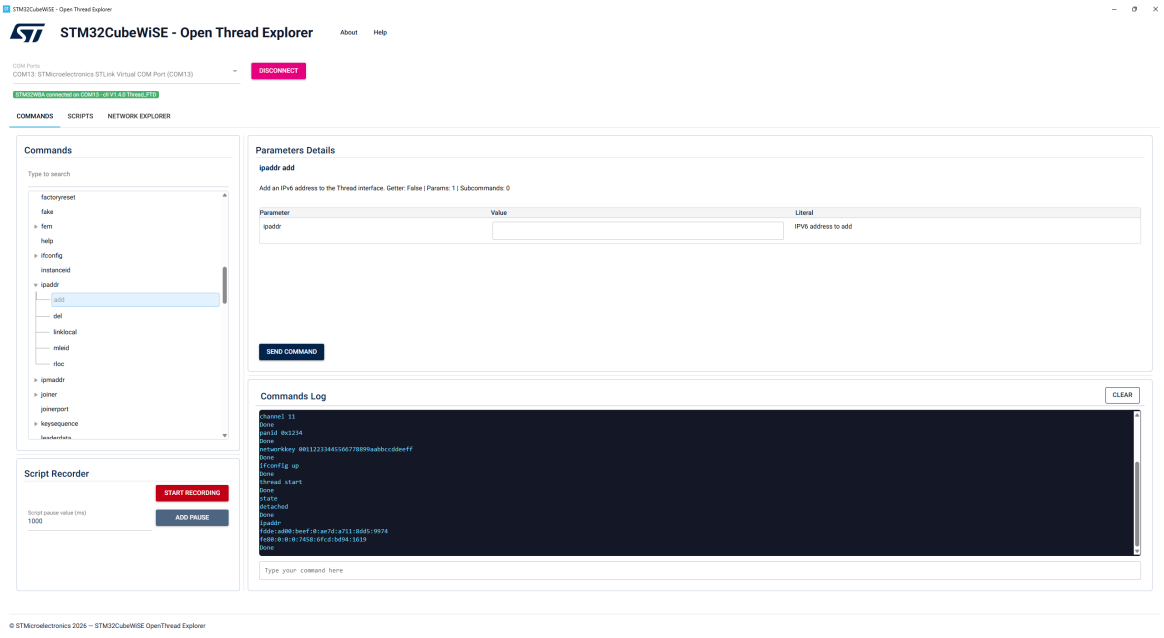
STM32CubeWiSEot

Data brief

Unified dashboard for the STM32CubeWiSE Open Thread tool suite



DT78367V2

Product link
STM32CubeWiSEot

Features

- Easy-to-use graphical user interface allowing the evaluation of OpenThread technology
- Supported features
  - Commands
  - Scripts
  - Network Explorer
- PC-based application
- Example scripts

1 Description

The STM32CubeWiSE – OpenThread Explorer (STM32CubeWiSEot) is a software package which consists of a graphical user interface (GUI) PC application that allows to evaluate the OpenThread protocol stack.

The tool “Commands” tab allows to display a dynamic list of OpenThread standardized commands, to select each supported command with related parameters and to send it to the connected STM32 device supporting OpenThread protocol technology. Further, the “Scripts” tab allows to launch a script stored in a text file, The scripts contain a set of commands which are sent in sequence to the connected STM32 device supporting OpenThread protocol technology.

The “Network Explorer” tab allows users to explore and graphically display the network to which a specific device is connected. Users can also load a specific image to use as the background in the display area where the network nodes are placed.

A set of example scripts is also provided to target some specific basic test scenarios.

2 General information

STM32CubeWiSEot interacts with STM32WBA series and STM32WB series microcontrollers:

- STM32WBA series MCUs are based on the Arm® Cortex®-M33 processor
- STM32WB series MCUs are dual-core MCUs based on the Arm® Cortex®-M4 and Cortex®-M0+ processors

arm

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2.1 Ordering information

STM32CubeWiSEot is available for free download from *www.st.com*.

2.2 What is STM32Cube?

STM32Cube is an STMicroelectronics original initiative to improve designer productivity significantly by reducing development effort, time, and cost. STM32Cube covers the whole STM32 portfolio.

STM32Cube includes:

- A set of user-friendly software development tools to cover project development from conception to realization, among which are:
  - STM32CubeMX, a graphical software configuration tool that allows the automatic generation of C initialization code using graphical wizards
  - STM32CubeIDE, an Eclipse®-based IDE, providing code edition, compilation, programming, and debugging capabilities
  - STM32CubeCLT, an all-in-one command-line development toolset with code compilation, board programming, and debug features
  - STM32CubeIDE for Visual Studio Code (STM32VSCode), a complete IDE based on VS Code® platform
  - STM32CubeProgrammer (STM32CubeProg), a programming tool available in graphical and command-line versions
  - STM32CubeMonitor (STM32CubeMonitor, STM32CubeMonPwr, STM32CubeMonRF, STM32CubeMonUCPD), powerful monitoring tools to fine-tune the behavior and performance of STM32 applications in real time
  - STM32CubeWiSE (STM32CubeWiSEbe, STM32CubeWiSEce, STM32CubeWiSEcg, STM32CubeWiSEre, STM32CubeWiSE8e, STM32CubeWiSEna, STM32CubeWiSEot), graphical tools designed to evaluate and test the capabilities of RF radios and protocols (Bluetooth® LE, sub-GHz, IEEE 802.15.4, OpenThread)
- STM32Cube MCU and MPU Packages, comprehensive embedded-software platforms specific to each microcontroller and microprocessor series (such as STM32CubeG5 for the STM32G5 series), which include:
  - STM32Cube hardware abstraction layer (HAL), ensuring maximized portability across the STM32 portfolio
  - STM32Cube low-layer APIs, ensuring the best performance and footprints with a high degree of user control over hardware
  - A consistent set of middleware components such as FreeRTOS™ kernel, FatFS, and Sigfox™
  - All embedded software utilities with full sets of peripheral and applicative examples
- STM32Cube Expansion Packages, which contain embedded software components that complement the functionalities of the STM32Cube MCU and MPU Packages with:
  - Middleware extensions and applicative layers
  - Examples running on some specific STMicroelectronics development boards

3 License

STM32CubeWiSEot is delivered under the SLA0048 software license agreement and its Additional License Terms.

Revision history

Table 1. **Document revision history**

Date	Revision	Changes
02-Nov-2026	1	Initial release.

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