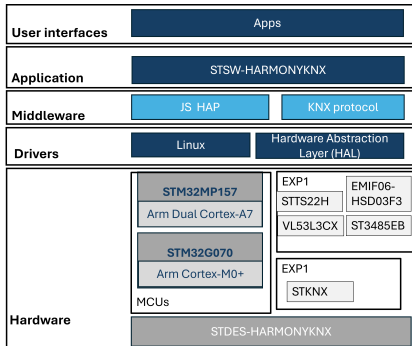## Software for STDES-HARMONYKNX



## Features

- Software package to develop an application based on the Harmony OS system and KNX system
- JS HAP developed within the DevEco studio system to design a user interface
- KNX protocol developed to support KNX devices communication
- UART communication between STM32MP157 and STM32G070
- KNX app interaction with Harmony board including smart home different functions

## Description

The STSW-HARMONYKNX is an internet application of smart home and building based on Harmony OS LCD.

The software sends commands to the KNX bus to control KNX group item and complete corresponding functions.

The touch panel displays the environment and end KNX devices status in an LCD panel.

The application is designed with JS to complete light, air conditioner, curtain, RGB, and sensor terminal.

| Product summary | |
|---|---|
| Software for STDES-HARMONYKNX | STSW-HARMONYKNX |
| Reference design board for KNX touch panel | STDES-HARMONYKNX |
| Mainstream Value line, Arm Cortex-M0+ MCU | STM32G070CBT6TR |
| Miniature KNX transceiver with voltage regulators | STKNXTR |
| 400 W, 40 V TVS in SMA | SMAJ40CA-TR |
| Applications | Smart home |

**DB5375 - Rev 1 - December 2024**
For further information contact your local STMicroelectronics sales office.

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# Revision history

**Table 1.** Document revision history

| Date | Revision | Changes |
|------|----------|---------|
| 16-Dec-2024 | 1 | Initial release. |

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