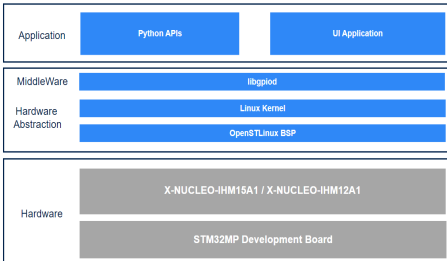


X-LINUX-SPN1 software package for OpenSTLinux



Features

- Linux application
- Python APIs for STSPIN motor drivers
- GTK-based UI application to control motors
- Runs on **STM32MP157F-DK2**
- Development environment: OpenSTLinux

Description

X-LINUX-SPN1 is an OpenSTLinux expansion software package that provides software support and APIs for the STSPIN family of motor drivers for the STM32MP platform.

The software package provides a GTK-based UI app which extends the demo application that ships with MPU discovery boards.

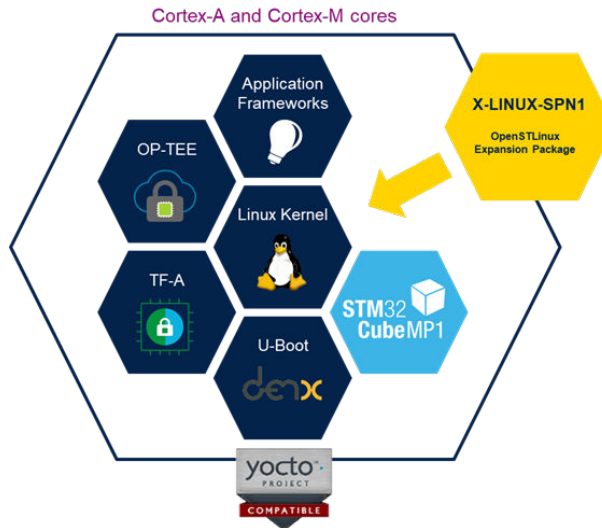
Python APIs are provided to enable developers to create motor control applications.

Currently supports the **X-NUCLEO-IHM15A1** and **X-NUCLEO-IHM12A1** dual brush DC motor driver expansion boards based on **STSPIN840** and **STSPIN240**, respectively, and other motor control boards will be supported in future releases.

Product summary	
X-LINUX-SPN1 software package for OpenSTLinux	X-LINUX-SPN1
Discovery kit with STM32MP157F MPU	STM32MP157F-DK2
Dual brush DC motor driver expansion board based on STSPIN840 for STM32 Nucleo	X-NUCLEO-IHM15A1
Low voltage dual brush DC motor driver expansion board based on STSPIN240 for STM32 Nucleo	X-NUCLEO-IHM12A1
Applications	Point of Sales Robotic and Motorized Toys Brushed DC Motor Therapy Equipment

1 Ecosystem description

Figure 1. Ecosystem block diagram



Revision history

Table 1. Document revision history

Date	Version	Changes
15-Nov-2023	1	Initial release.

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