

Programmable logic controller (PLC) app for Android and iOS

Data brief



With these boards and the FP-IND-PLCWIF1 function pack providing all the required firmware, you can access the industrial I/Os at 24 V as well as timers and counters, through a user-friendly ladder logic interface.

The I/Os are managed by a high-speed digital input current limiter (CLT01-38SQ7) and an octal high-side smart-power solid-state relay (VNI8200-XP or the ISO8200BQ) for the output.

Table 1: Device summary

Order code	Description
ST-PLC-iOS	iOS app to easily explore the capabilities of ST ICs for industrial I/Os
ST-PLC-Android	Android app to easily explore the capabilities of ST ICs for industrial I/Os

Features

- Remotely control a PLC prototype based on an STM32F401RE STM32 Nucleo development board plus the X-NUCLEO-PLC01A1 and X-NUCLEO-IDW01M1 expansion boards
- Set up configurations through the ladder logic interface
- Full diagnostics and status information
- Explore the capabilities of the VNI8200XP and CLT01-38SQ7 devices mounted on the X-NUCLEO-PLC01A1
- Available on Android™ and iOS™ app stores

Description

This app lets you manage a programmable logic controller via Wi-Fi using an STM32 Nucleo board (NUCLEO-F401RE), an industrial I/O expansion board (X-NUCLEO-PLC01A1 and/or X-NUCLEO-OUT01A1) and a Wi-Fi expansion board (X-NUCLEO-IDW01M1).

Revision history

Table 2: Document revision history

Date	Version	Changes
09-Jan-2017	1	Initial release.
20-Jan-2017	2	Updated cover page image.
18-Oct-2017	3	Updated cover page description and Table 1: "Device summary"

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