User Guide

UG000435

SD4Y Production Programmer

First Steps...

SD4Y-EK-XX-PB

v1-00 • 2019-May-08

Content Guide

1 Short Description

The SD4Y Programmer is an in-system programming tool, which is applicable for production environment. The SD4Y programmer supports: digital writing and reading; OTP programming and analog read back for the OTP verification. Additional the SD4Y programmer can use the **ams** programming boards.

1.1 SOFTWARE

The Software of the SD4Y-Programmer can be downloaded at SD4Y-Webpage.

The GUI itself is written in LabVIEW. Therefore the latest LabVIEW Runtime Engine and VISA Drivers from National Instruments is necessary.

1.1.1 Software – Downloads

- Programmer GUI --> http://www.smartdesign4you.com/downloads/UProg_1v7.zip
- LabVIEW Runtime Engine and VISA Drivers --> www.ni.com

1.2 HARDWARE

The SD4Y Programmer has two possible input connectors for the PC

- USB
- RS232 and external Power Supply (12V max)

1.2.1 USB

The USB connector can be used for operate the SD4Y Programmer without an additional Supply. **Important:** The max. allowed current consumption on the VDD is 50mA. Otherwise, the USB controller turns off.

A firmware upgrade is only possible with the USB connector.

1.2.2 RS232

To use the RS232 an additional Supply is necessary. The max. voltage is 12V. **Important:** The max. allowed current consumption on the VDD is 150mA. Otherwise, the RS232 controller turns off.

2 First STEPS

1. Install the Software (Programmer GUI and NI-RuntimeEngine/Drivers)

2. Connect the USB or the RS232 to the Programmer and the PC. It is not allowed to use both connections at the same time.

3. Run Programmer Software GUI

Information

For detailed information about the Programmer and the software, see SD4Y-Programmer Manual

Information

For detailed information about the **ams** products, see datasheet of **ams** products.

3 Revision Information

Changes from previous version to current revision v1-00	Page
Initial version	all

- Page and figure numbers for the previous version may differ from page and figure numbers in the current revision.
- Correction of typographical errors is not explicitly mentioned.