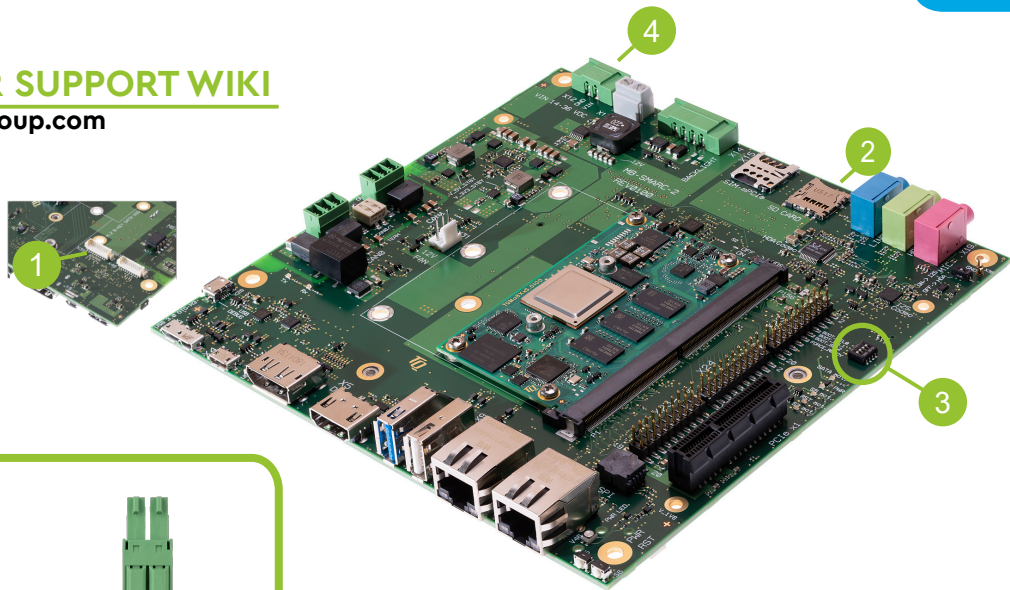


Quick-Start-Guide STKa8XxS

Arm® architecture



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i

Hardware Setup

1

Debug/Serial

2

SD-Card

3

DIP-Switches

4

Power



Power Adapter
Not required with all carrier boards

CONNECT STARTERKIT TO HOST PC

Connect STKa8XxS using the provided Micro USB cable to connect interface X39 to a USB port on the host. A USB serial driver might be required on the host to operate with the Starterkit. Detailed instructions are available on the STK Quicksteps Wiki page.

RUN TERMINAL EMULATOR AND CONFIGURE SERIAL PORT

After connecting the STKa8XxS, one new serial port is available on the host. This port is for the U-Boot / Linux serial debug console.

A terminal emulator is required on the host (Tera Term is recommended). Configure the serial port using the settings from the table on the right.

Baudrate	115200
Data Bits	8
Parity	none
Stop Bits	1
Handshake	XON / XOFF

SUPPLY THE STARTERKIT WITH POWER

Connect the provided power supply to X12 on the STKa8XxS.

Caution when using a different power supply!

The Starterkit has a wide range input from **14V** to **36V** and is designed to operate with a regulated power supply.

ESTABLISH SERIAL CONNECTION

The bootloader and operating system outputs are displayed in the terminal. Once the boot process is complete, log in to the system using the default user "root" without a password.

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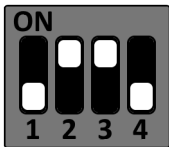
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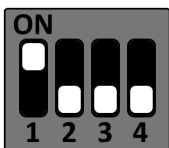
Boot device selection

The boot device must be selected with DIP switch **S3** accordingly.
By default, the STKa8XxS starts in SD card configuration.

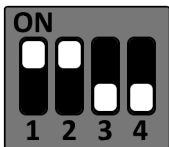
Configuration SD card



Configuration eMMC



Configuration FlexSPI



For latest documentation, BSPs, etc. please visit:

tq-group.com/en/products/tq-embedded/arm-architecture/tqma8xxs
support.tq-group.com/tqma8xxs

Visit our Website:

tq-group.com/en/products/tq-embedded

Visit the Quicksteps page to get started:

https://support.tq-group.com/en/arm/tqma8xxs/mb-smarc-2/stk_quicksteps

CREATE A TICKET

Via the TQ-Embedded Helpdesk, you can easily create and manage various types of requests.

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