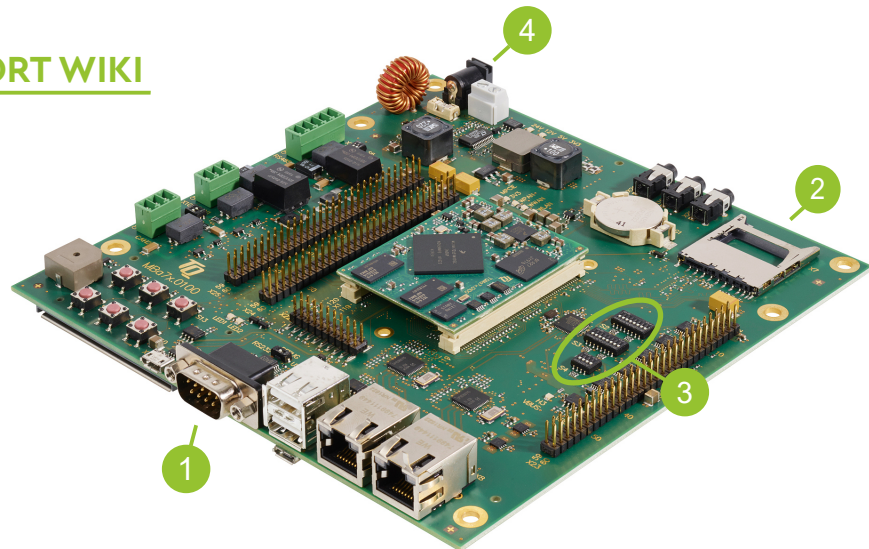


Quick-Start-Guide STKa7x

Arm® architecture



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i Hardware Setup

- 1 Debug/Serial
- 2 SD-Card
- 3 DIP-Switches
- 4 Power

CONNECT STARTERKIT TO HOST PC

Connect STKa7x using the provided Micro USB cable to connect interface X13 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 STKa7x, 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 X26 on the STKa7x.

Caution when using a different power supply!

The Starterkit has a wide range input from **22V** to **26V** 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.

Quick-Start-Guide STKa7x

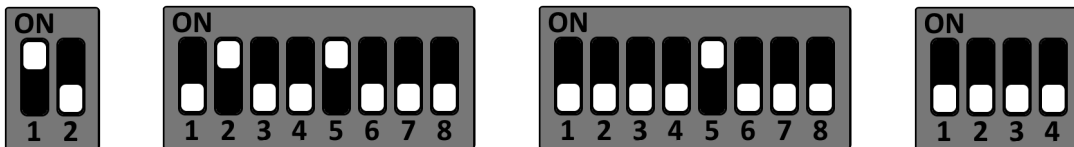
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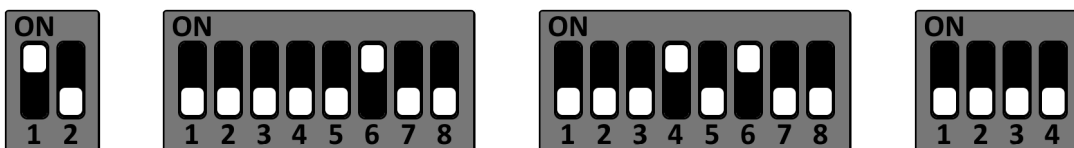
Boot device selection

The boot device must be selected with DIP switches **S1**, **S2**, **S3** and **S4** accordingly.
By default, the STKa7x starts in SD card configuration.

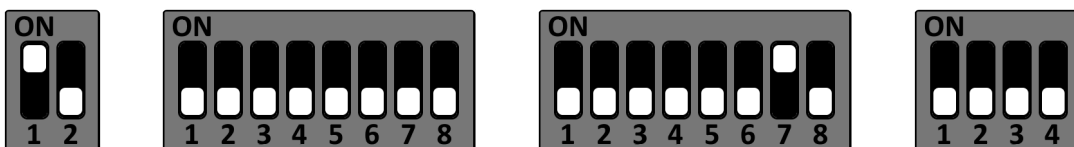
Configuration SD card



Configuration eMMC



Configuration FlexSPI



For latest documentation, BSPs, etc. please visit:

tq-group.com/en/products/tq-embedded/arm-architecture/TQMa7x
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Visit the Quicksteps page to get started:

https://support.tq-group.com/en/arm/tqma7x/mba7x/stk_quicksteps

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