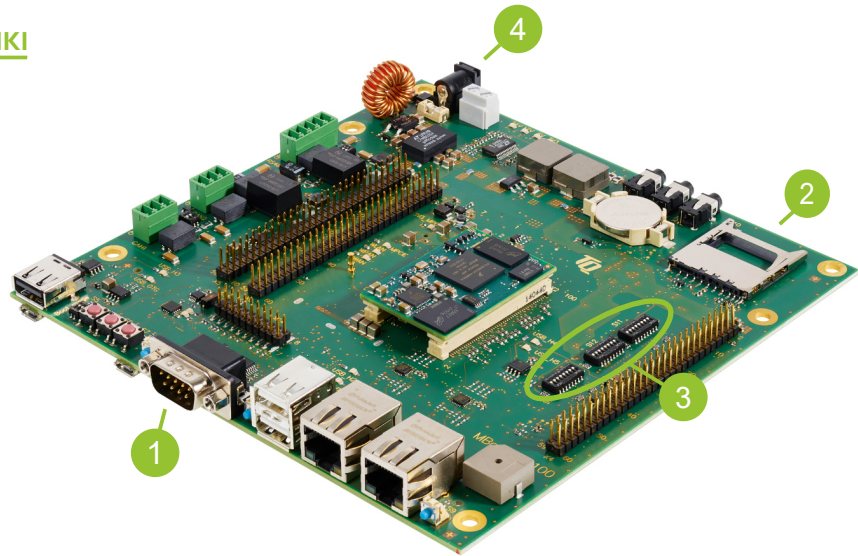


# Quick-Start-Guide STKa6ULx

## 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 interface X15 of the STKa6ULx to an RS232 port on the host using the provided RS232 cable. If the host does not provide an RS232 port, a separate USB-to-RS232 adapter and the corresponding driver are required.

Detailed instructions are available on the [STK Quicksteps](#) Wiki page.

## RUN TERMINAL EMULATOR AND CONFIGURE SERIAL PORT

After connecting the STKa6ULx, one new serial port is available on the host. This port is 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.

|                  |            |
|------------------|------------|
| <b>Baudrate</b>  | 115200     |
| <b>Data Bits</b> | 8          |
| <b>Parity</b>    | none       |
| <b>Stop Bits</b> | 1          |
| <b>Handshake</b> | XON / XOFF |

## SUPPLY STARTERKIT WITH POWER

Connect the provided power supply to X26 on the STKa6ULx.

Caution when using a different power supply!

The Starterkit requires an input of **24V** and is designed to operate with a regulated power supply.

## ESTABLISH SERIAL CONNECTION

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

# Quick-Start-Guide STKa6ULx

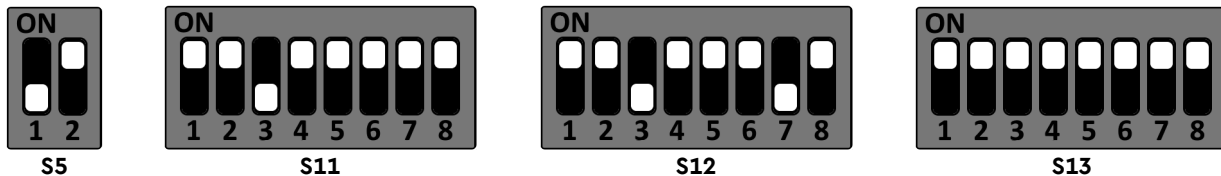
## ARM® Architecture



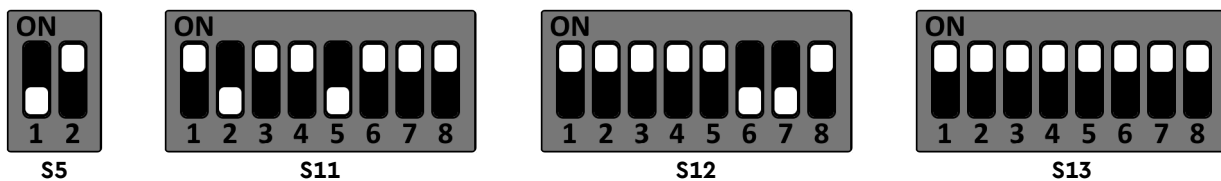
### BOOT DEVICE SELECTION

The boot device must be selected with DIP switches **S5, S11, S12 and S13**.  
By default, the STKa6ULx is configured for SD card boot.

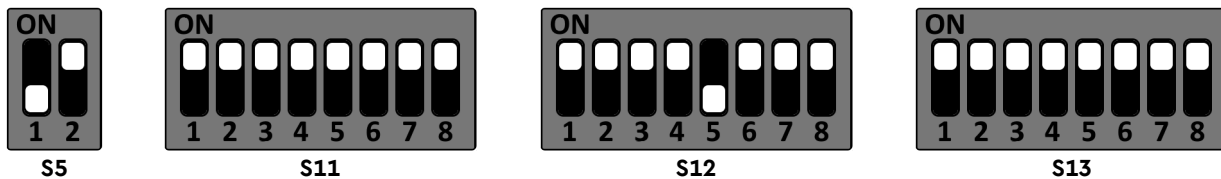
#### SD Card



#### eMMC



#### FlexSPI



**For latest documentation, BSPs, etc. please visit:**

<https://www.tq-group.com/en/products/tq-embedded/cpu-families/arm-architecture/tqma6ulx/>

<https://support.tq-group.com/en/arm/tqma6ulx>

**Visit our Website:**

<https://www.tq-group.com/en/products/tq-embedded>

**Visit the Quicksteps page to get started:**

[https://support.tq-group.com/en/arm/tqma6ulx/mba6ulx/stk\\_quicksteps](https://support.tq-group.com/en/arm/tqma6ulx/mba6ulx/stk_quicksteps)

#### CREATE A TICKET

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

<https://support.tq-group.com/helpdesk>



Users of the Starterkit must not dispose the Kit as unsorted municipal waste, but use the collection framework available in their country for the return, recycle, or recovery of WEEE and minimize any potential effects on the environment and human health due to the presence of hazardous substances.

The Starterkit must be recycled, mechanically shredded, or incinerated without the battery.