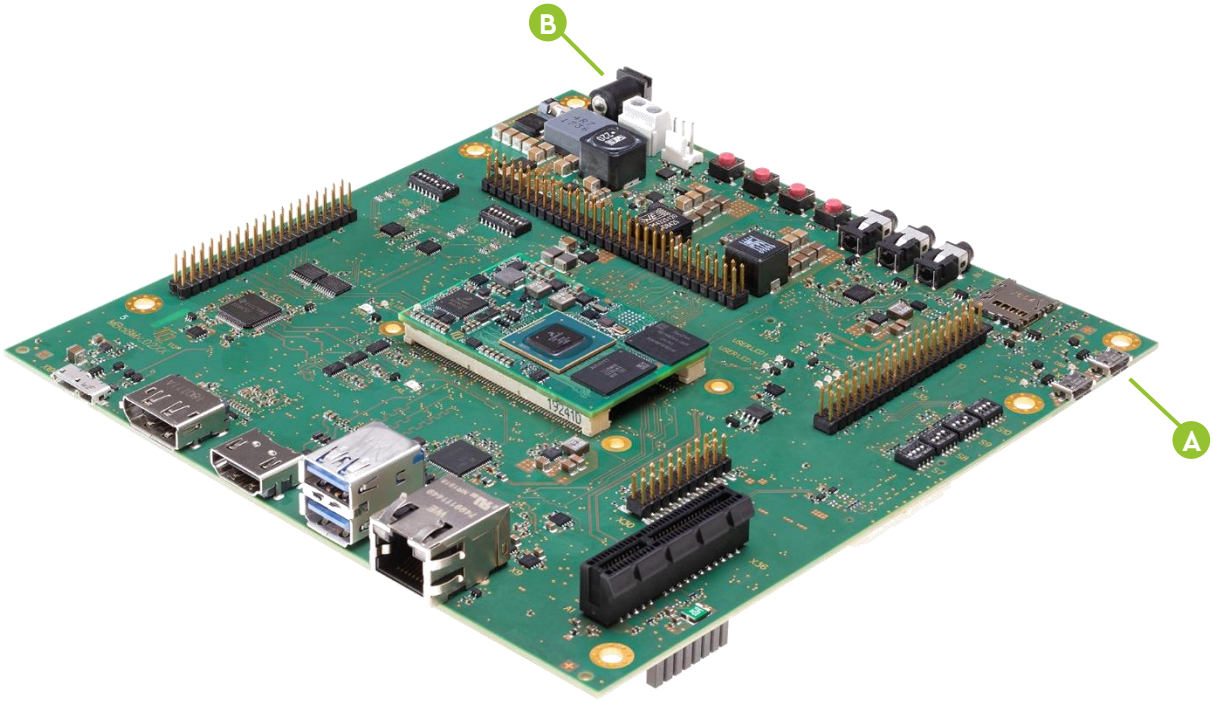
# Quick-Start-Guide STKa8Mx

Arm® architecture




A

## CONNECT HOST PC AND STKa8Mx

Use the supplied micro USB cable to connect X16 of the MBa8Mx to a USB port on your host.
You will find two serial ports on the host PC (one for the debug output (Linux / U-boot) and one for the board controller output).

## RUN TERMINAL EMULATOR AND CONFIGURE SERIAL PORT

Run your favourite terminal emulator on the host PC (we Recommend Tera Term Pro) and configure the serial port as Follows:

| | |
|---|---|
| **Baudrate** | 115200 |
| **Data bits** | 8 |
| **Parity** | none |
| **Stop bits** | 1 |
| **Handshake** | XON / XOFF |

B

## SUPPLY THE STKa8Mx WITH POWER

Double-check the mains voltage required for the included Power supply, then connect it to connector X4 on the MBa8Mx.

Caution when using a different power supply! The Starterkit Can be operated using a regulated supply voltage of 16-26V (nom. 24V)!

## ESTABLISH SERIAL CONNECTION

The boot messages of boot loader and operating system are displayed by the terminal emulator.

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

tq-group.com/en/products/tq-embedded/arm-architecture/stka8mx Support.tq-group.com/tqma8mx

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## Default DIP switch setting

| | S5 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DIP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Set | ON | ON | ON | ON | ON | ON | ON | ON |

| | S7 | | | |
|---|---|---|---|---|
| DIP | 1 | 2 | 3 | 4 |
| Set | ON | ON | ON | ON |

| | S8 | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| | OFF | OFF | ON | OFF |

| | S9 | | | |
|---|---|---|---|---|
| DIP | 1 | 2 | 3 | 4 |
| Set | OFF | ON | OFF | ON |

| | S10 | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| | OFF | OFF | OFF | OFF |

## Boot device selection

To select the desired boot device set DIP switch **S5, S6, S7, S8, S9 and S10** accordingly.

### Configuration SD Card

| | S6 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DIP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Set | ON | OFF | OFF | ON | OFF | ON | ON | ON |

### Configuration eMMC

| | S6 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DIP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Set | ON | ON | ON | ON | ON | OFF | ON | ON |