

A Connect Host PC and STKa7x

Use the supplied null modem cable to connect COM1 of the STKa7x (X26) to a serial port on your host PC (e.g. COM1 / ttyS0).

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	Data bits	Parity	Stop bits	Handshake
115200	8	none	1	XON/XOFF

B Supply the STKa7x with power

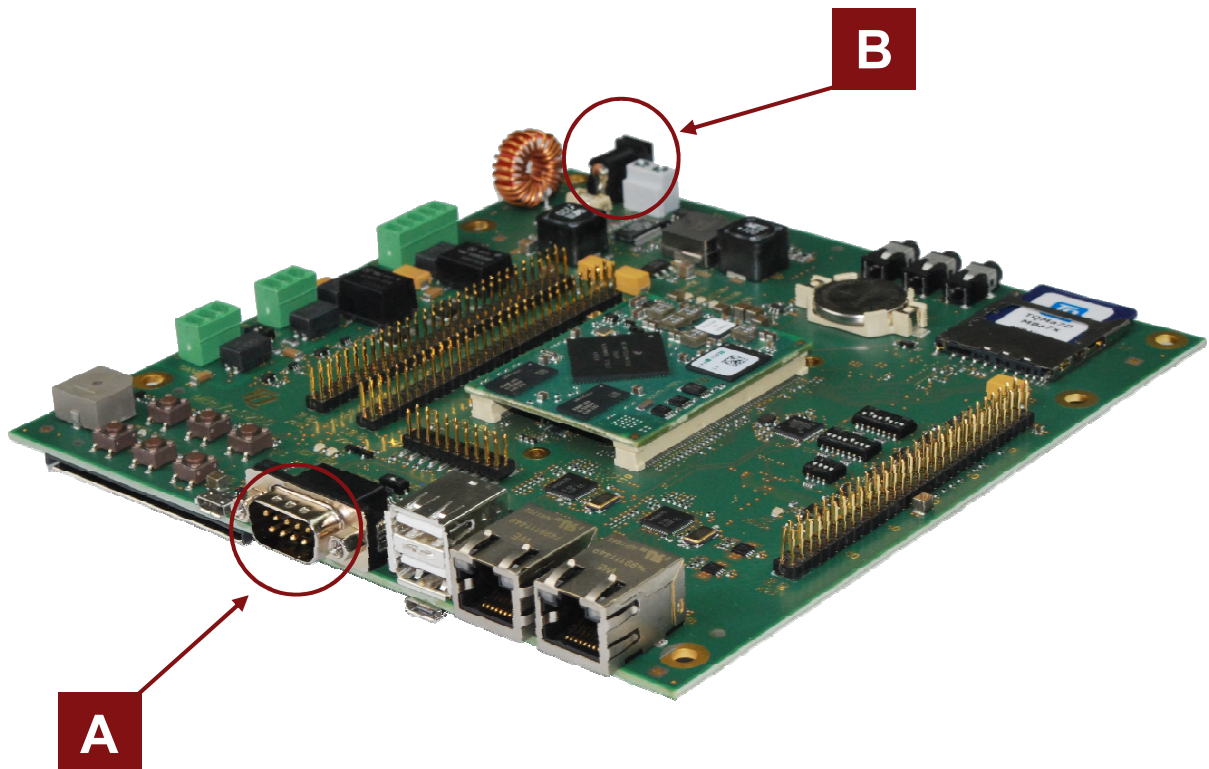
Double-check the mains voltage required for the included power supply, then connect it to connector X26 on the STKa7x.

Caution when using a different power supply!

The Starterkit requires a regulated supply voltage of 24 V!

Establish Serial Connection

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



Documentation:

<https://www.tq-embedded.com/en/Pim/Products/Embedded-Modules/TO-Minimodule/Embedded-module-TOMa7x>

Support Wiki / BSPs:

<http://support.tq-group.com/doku.php?id=en:arm:tqma7x>

DIP switch settings

Boot mode

Select „Internal boot“ mode by setting DIP switch **S1** accordingly.

	S1	
DIP	1	2
Set	ON	OFF

Boot device selection

To select the desired boot device set DIP switches **S2** and **S3** accordingly.

Configuration SD Card

	S2							
DIP	1	2	3	4	5	6	7	8
Set	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF

	S3							
DIP	1	2	3	4	5	6	7	8
Set	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF

Configuration eMMC

	S2							
DIP	1	2	3	4	5	6	7	8
Set	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF

	S3							
DIP	1	2	3	4	5	6	7	8
Set	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF

Configuration SPI NOR

	S2							
DIP	1	2	3	4	5	6	7	8
Set	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

	S3							
DIP	1	2	3	4	5	6	7	8
Set	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF

Debug interface selection

To select the desired debug interface set DIP switch **S7** accordingly.

Switch	ON	OFF
S7	USB	RS232 (default)