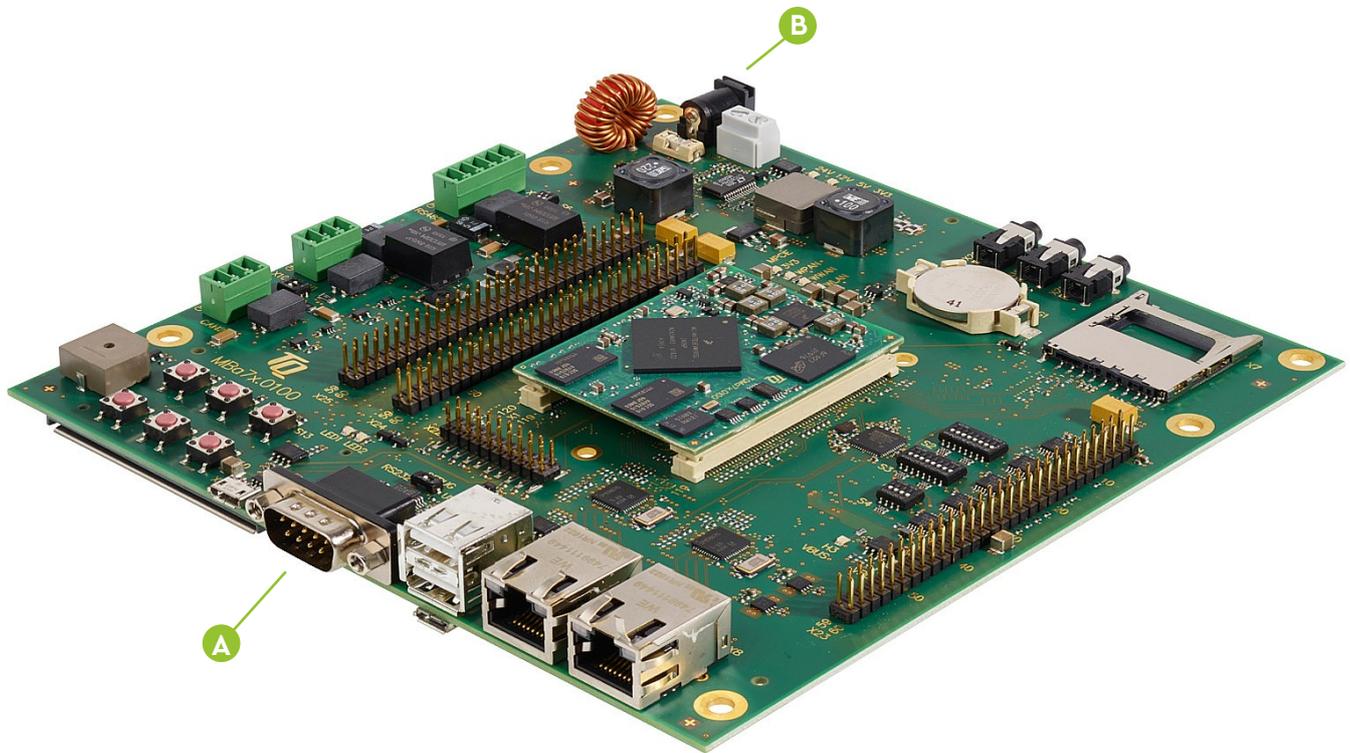


Quick-Start-Guide STKa7x

Arm® architecture



A CONNECT HOST PC AND STKa6ULx

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

B SUPPLY THE STKa6ULx 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 can be operated using a regulated supply voltage of 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/stka7x Support.tq-group.com/tqma7x

Quick-Start-Guide STKa7x



Arm® architecture

DIP switch settings

Boot mode selection

To 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 switch 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 QSPI NOR

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

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

S4				
DIP	1	2	3	4
Set	OFF	OFF	OFF	OFF

Debug interface selection

To select the desired debug Interface set DIP Switch S7 accordingly

S7		
DIP	ON	OFF
Set	USB	RS232 (X26) (default)