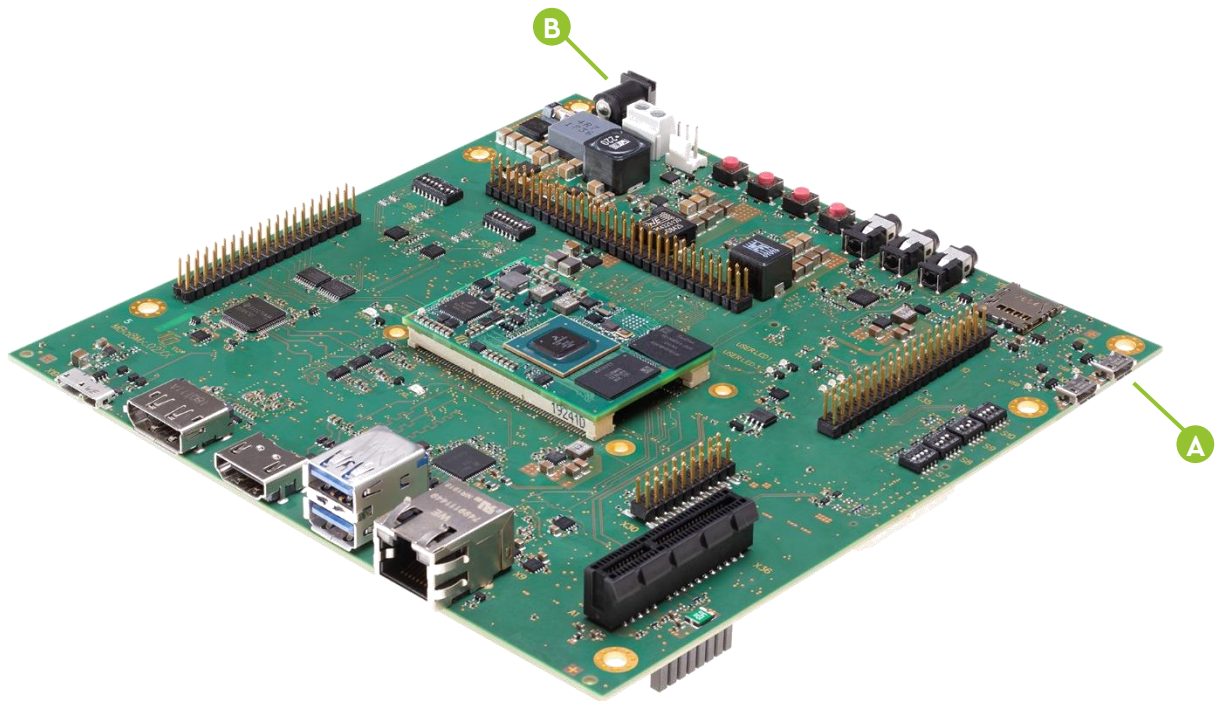


Quick-Start-Guide STKa8MxNL

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A

CONNECT HOST PC AND STKa8MxNL

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 STKa8MxNL 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/tqma8mxnl

Support.tq-group.com/tqma8mxnl

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Boot device selection

To select the desired boot device set DIP switches **S7**, **S8**, **S9** and **S10** accordingly.
The switches **Boot Mode 2** and **Boot Mode 3** are located on the module adapter.

! The switches **S5** and **S6** have **no effect** on the TQMa8MxNL!

Required board switches:

S7				
DIP	1	2	3	4
Set	ON	ON	ON	ON

S8			
1	2	3	4
OFF	OFF	OFF	OFF

S10				
DIP	1	2	3	4
Set	ON	ON	ON	ON

Boot switches for SD-Card:

S9				
DIP	1	2	3	4
Set	X	OFF	OFF	X

BOOT MODE		2	3
Set		ON	OFF

Boot switches for SPI Flash:

S9				
DIP	1	2	3	4
Set	X	ON	OFF	X

BOOT MODE		2	3
Set		OFF	OFF

Boot switches for eMMC:

S9				
DIP	1	2	3	4
Set	X	ON	OFF	X

BOOT MODE		2	3
Set		ON	OFF