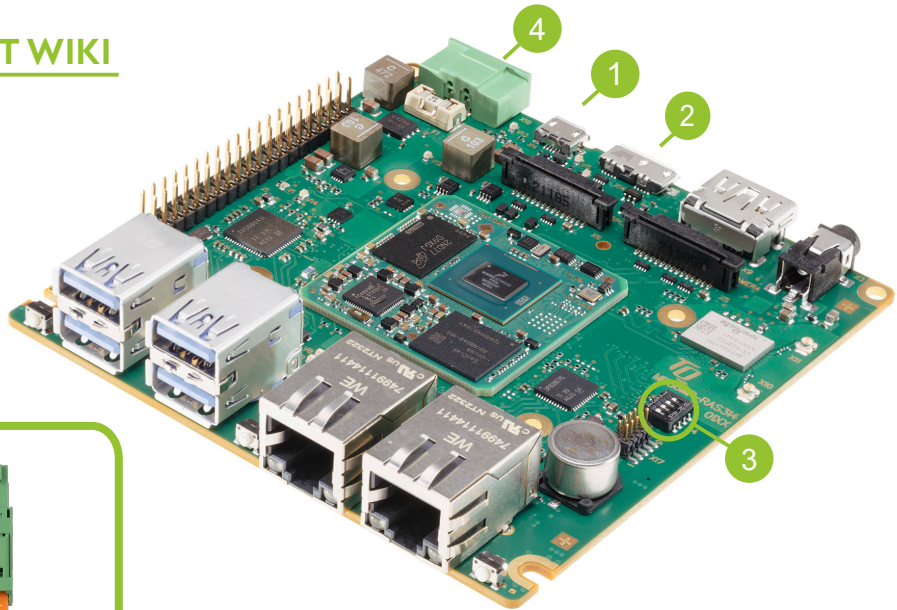


# Quick-Start-Guide MBa8MP-RAS314

## Arm® architecture




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**i** Hardware Setup

- 1 Debug/Serial
- 2 SD-Card
- 3 DIP-Switches
- 4 Power



**Power Adapter**  
Not required with all carrier boards

### CONNECT STARTERKIT TO HOST PC

Connect MBa8MP-RAS314 using the provided Micro USB cable to connect interface X4 to a USB port on the host. A USB serial driver might be required on the host to operate with the Starterkit. Detailed instructions are available on the STK Quicksteps Wiki page.

### RUN TERMINAL EMULATOR AND CONFIGURE SERIAL PORT

After connecting the MBa8MP-RAS314, two new serial ports are available on the Host. The first 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 THE STARTERKIT WITH POWER

Connect the provided power supply to X18 on the MBa8MP-RAS314.

Caution when using a different power supply!

The Starterkit is designed to operating with a regulated power supply of **12V**.

### ESTABLISH SERIAL CONNECTION

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

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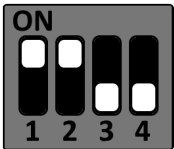
## Arm® architecture



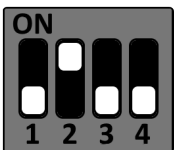
### Boot device selection

The boot device must be selected with DIP switches **S4, S5 and S6** accordingly.  
By default, the MBa8MP-RAS314 starts in SD card configuration.

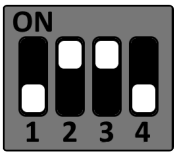
#### Configuration SD card



#### Configuration eMMC



#### Configuration FlexSPI



**!** For latest documentation, BSPs, etc. please visit:  
[tq-group.com/en/products/tq-embedded/arm-architecture/mba8mp-ras314](https://tq-group.com/en/products/tq-embedded/arm-architecture/mba8mp-ras314)  
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Visit the Quicksteps Page to get started:  
[https://support.tq-group.com/en/arm/tqma8mpxl/mba8mp-ras314/stk\\_quicksteps](https://support.tq-group.com/en/arm/tqma8mpxl/mba8mp-ras314/stk_quicksteps)

### CREATE A TICKET

Through the TQ-Embedded Helpdesk, you can easily create and manage various types of requests.  
[support.tq-group.com/helpdesk](https://support.tq-group.com/helpdesk)

