

# ABox-6ULxL

Arm® Family



## HIGHLIGHTS

- ▶ Extended temperature range
- ▶ 2x Ethernet, 2x Mini PCIe based on USB 2.0
- ▶ Low power consumption (typically 2–3 W)
- ▶ 2x CAN galvanic isolated
- ▶ Wide voltage input range
- ▶ Modularly expandable

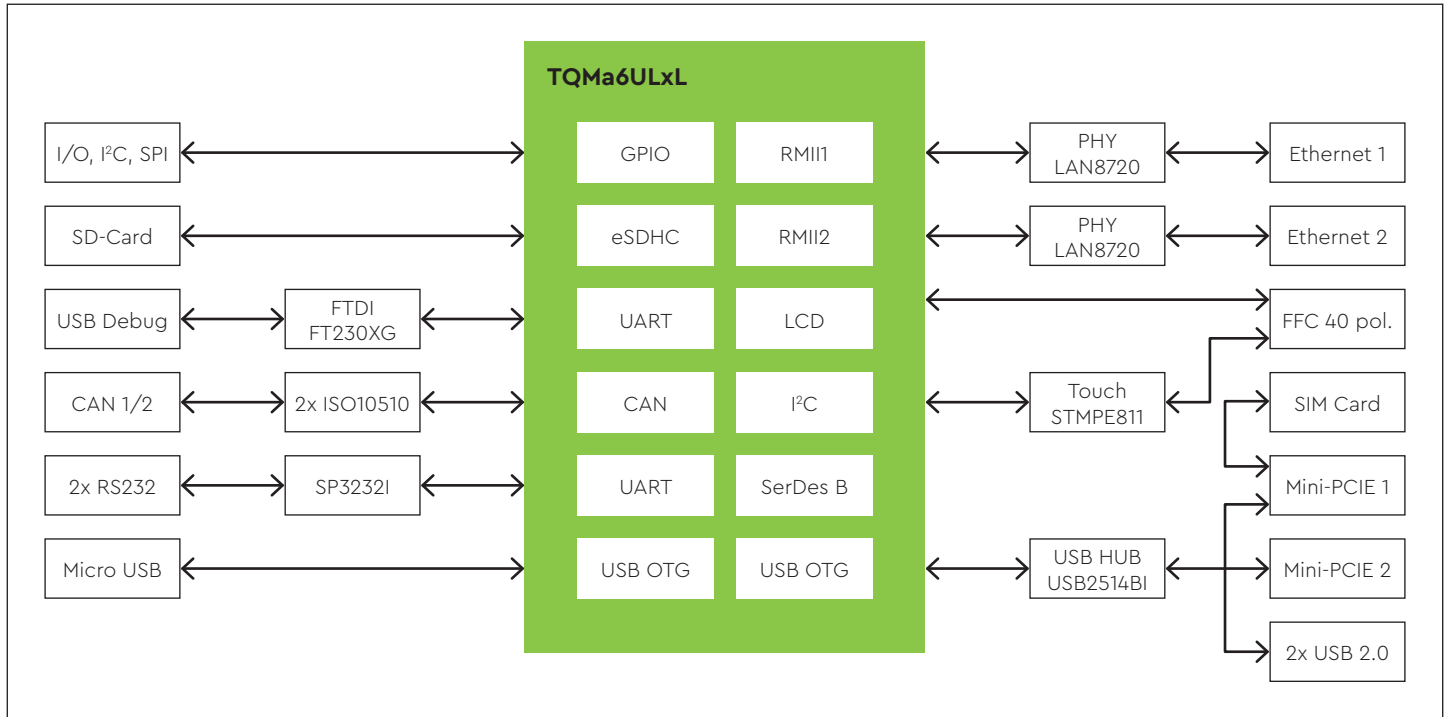
**Box PC based on Mba6ULxL as a cost-effective and smart platform.**

## TECHNICAL SPECIFICATION

<b>CPU</b>	MX6UL2, MX6UL3, MX6ULL2
<b>Memory</b>	DDR3L-SDRAM: Up to 1 GB Quad SPI NOR: Up to 256 MB eMMC Up to 32 GB EEPROM: 0/64-kbit
<b>Interfaces</b>	2x Ethernet 10/100/Mbit 1x USB OTG 2.0 2x USB Host 2.0 Up to 2x CAN (galvanic Isolated) Up to 2x Mini PCIe (only USB) Up to 1x SIM Card (mini PCIe) Up to 1x SD-Card
<b>Periphery interfaces (optionally) (Pin Header 2,54 mm)</b>	Up to 1x I <sup>2</sup> C Up to 2x UART RS232 Up to 8x GPIO
<b>Other</b>	Real Time Clock (RTC) Temperature sensor USB-Debug (RS232)
<b>Power supply</b>	8 – 30 V DC

<b>Ambient conditions</b>	Standard temperature range: -25°C...+70°C Extended temperature range: -40°C...+70°C
<b>Dimensions</b>	110 × 103 × 35mm
<b>Operating systems</b>	Linux
<b>Operating systems on request</b>	QNX, INTEGRITY

## BLOCK DIAGRAM ABOX-6ULXL



## ORDERING INFORMATION

### ABox-6UL2L-AA

ABox-6UL2L-AA, with MBa6UL2L-AA; Used Module: TQMa6UL2L-AA Cortex A7 / 528MHz, 8GB eMMC Flash, 256 MB DDR3L, 64kB EEPROM, RTC, Temperature sensor; Interfaces: 2x USB 2.0, 1x USB OTG, 2x ETH 10/100, 1x CAN, USB -Debug, Interface, Reset-Button; Internal Interfaces: 1x Mini PCIe (only USB +1x with SIM Card), SD-Card interface, -25°C ...+70°C, Supply Voltage: 8-30V

### ABox-6UL2L-AB

ABox-6UL2L-AB, with MBa6UL2L-AB; Used Module: TQMa6UL2L-AA Cortex A7 / 528MHz, 8GB eMMC Flash, 256 MB DDR3L, 64kB EEPROM, RTC, Temperature sensor; Interfaces: 2x USB 2.0, 1x USB OTG, 2x ETH 10/100, 2x CAN, USB -Debug, Interface, Reset-Button; Internal Interfaces: 2x Mini PCIe (only USB +1x with SIM Card); Expansion Interface 2,54mm Pin Header (8x GPIO#s, 2x RS232 (RX/TX), 2x I<sup>2</sup>C, 1x SPI), Graphics (18 Bit), SD-Card interface, -25°C ...+70°C, Supply Voltage: 8-30V

Other configurations on request

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