

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

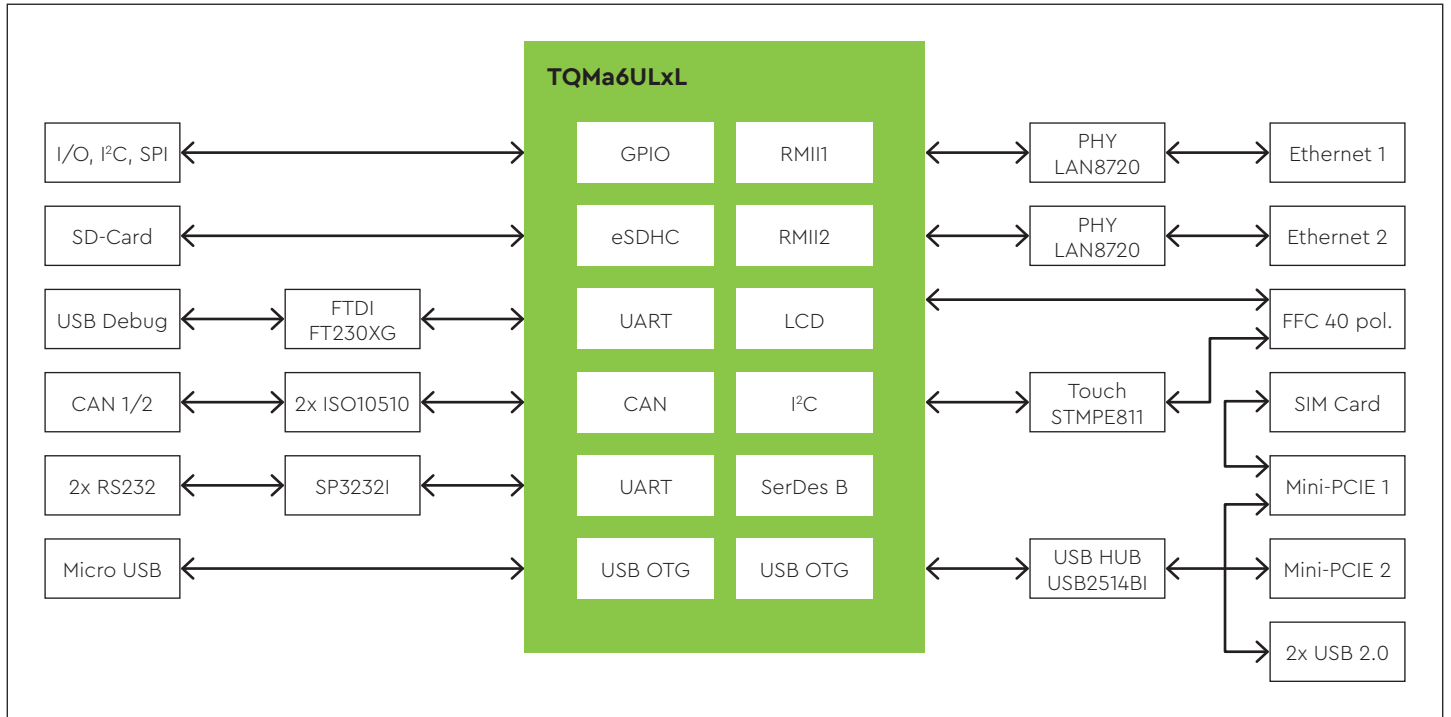
Box PC based on Mba6ULxL as a cost-effective and smart platform.

TECHNICAL SPECIFICATION

CPU	MX6UL2, MX6UL3, MX6ULL2
Memory	DDR3L-SDRAM: Up to 1 GB Quad SPI NOR: Up to 256 MB eMMC Up to 32 GB EEPROM: 0/64-kbit
Interfaces	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
Periphery interfaces (optionally) (Pin Header 2,54 mm)	Up to 1x I ² C Up to 2x UART RS232 Up to 8x GPIO
Other	Real Time Clock (RTC) Temperature sensor USB-Debug (RS232)
Power supply	8 – 30 V DC

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

BLOCK DIAGRAM ABOX-6ULXL



ORDERING INFORMATION

ABox-6UL2L-AA

ABox-6UL2, MBa6UL2L-AA, TQMa6UL2L-AA Cortex®-A7/528 MHz, 8 GB eMMC Flash, 256 MB DDR3L, 64kB EEPROM, Temperature sensor, RTC, 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 + SIM Card) SD-Card interface, -25°C...+70°C

ABox-6UL2L-AB

ABox-6UL2, MBa6UL2L-AA, TQMa6UL2L-AA Cortex®-A7/528 MHz, 8 GB eMMC Flash, 256 MB DDR3L, 64kB EEPROM, Temperature sensor, RTC, 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 + SIM Card), Expansion Interface 2,54 mm Pin Header (8x GPIO's, 2x RS232 (RX/TX), 2x I²C, 1x SPI), Graphics (18-bit), SD-Card interface, -25°C...+70°C

Other configurations on request

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