

MX6UL-IOT

Arm® Family



IOT Platform based on I.MX6UL/ULL

HIGHLIGHTS

- ▶ Extended temperature range
- ▶ 2x Ethernet, 2x Mini PCIe based on USB 2.0
- ▶ Low power consumption (typically 2–3 W)
- ▶ 1x CAN galvanic isolated
- ▶ 1x RS485 galvanic isolated
- ▶ Wide voltage input range
- ▶ Modularly expandable

TECHNICAL SPECIFICATION

CPU	MX6UL2, MX6ULL2
Memory	DDR3-SDRAM: Up to 512MB Nand Flash: Up to 512MB
Interfaces	2x Ethernet 10/100/Mbit 1x USB OTG 2.0 2x USB Host 2.0 Up to 1x 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 1x UART RS232 Up to 40x GPIO
Other	Real Time Clock (RTC) Temperature sensor USB-Debug (RS232)
Power supply	12– 24 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

BLOCK DIAGRAM MX6UL-IOT

