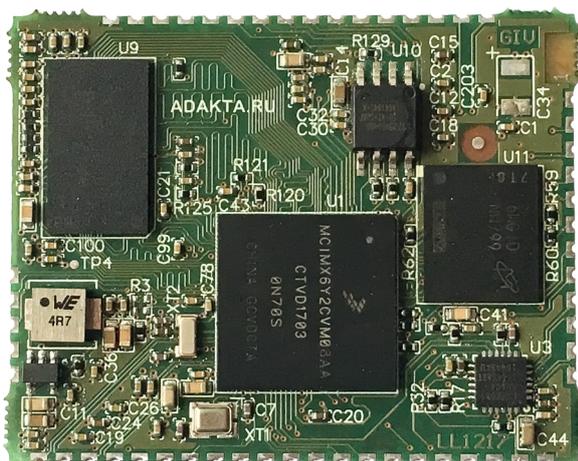




System on Module ADAKTA-mx6ull

System on Module (SoM) is a compact device on a PCB that combines all the software and hardware needed to build budget solutions based on the Linux operating system. SoM ADAKTA-mx6ull is build on the processor NXP iMX6ull, which based on Cortex-A7 architecture and operates at a frequency of up to 900 MHz.

The **ADAKTA-mx6ull** SoM is best solution to combine low power consumption with a productive and versatile of Linux system and allow to build cost optimized final product.



Main advantages:

- Price starts at 33\$;
- One-side mounting;
- No inter-platform connectors;
- 2 mm contacts;
- Protected bootloader on SPI NOR;
- Designed and manufactured in Russia.

Part-numbers:

- [ADAKTA-mx6ull-m02c](#)
- [ADAKTA-mx6ull-m52i](#)

System

CPU NXP iMX6ull	DDR3 256 Mbyte
SPI NOR flash (for bootloader) 1 Mbyte	NAND 512 Mbyte (m52i only)

Interfaces

1x Ethernet PHY 100Mbit	20x GPIO (max)
1x SAI (I2S) for audio codec	2x USB OTG
1x MMC/SD for SD card or eMMC	2x ADC for sensors
2x I2C or 2xUART	1x SPI
1x Console UART	1x PWM
1x Full UART (+RTS/CTS)	1x CAN

Physical

Temperature range: 0 +85 C (m02c) \ -40 +85 C (m52i)
Vibration and water resistance
Power: 3.3V@0.1-0.5A
Dimension: 45 mm x 36 mm