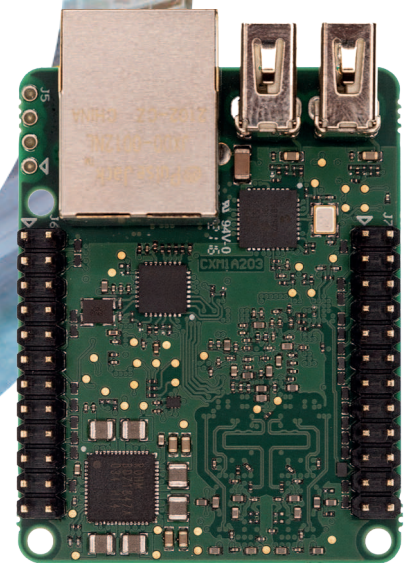


Embedded Systems

Industry 4.0

IoT platform

Edge computing



processor



# Zulu

## The Smallest Single-Board Computer

 unipi technology

[www.unipi.technology](http://www.unipi.technology)

# Unipi Zulu – Single-Board Computer / SBC

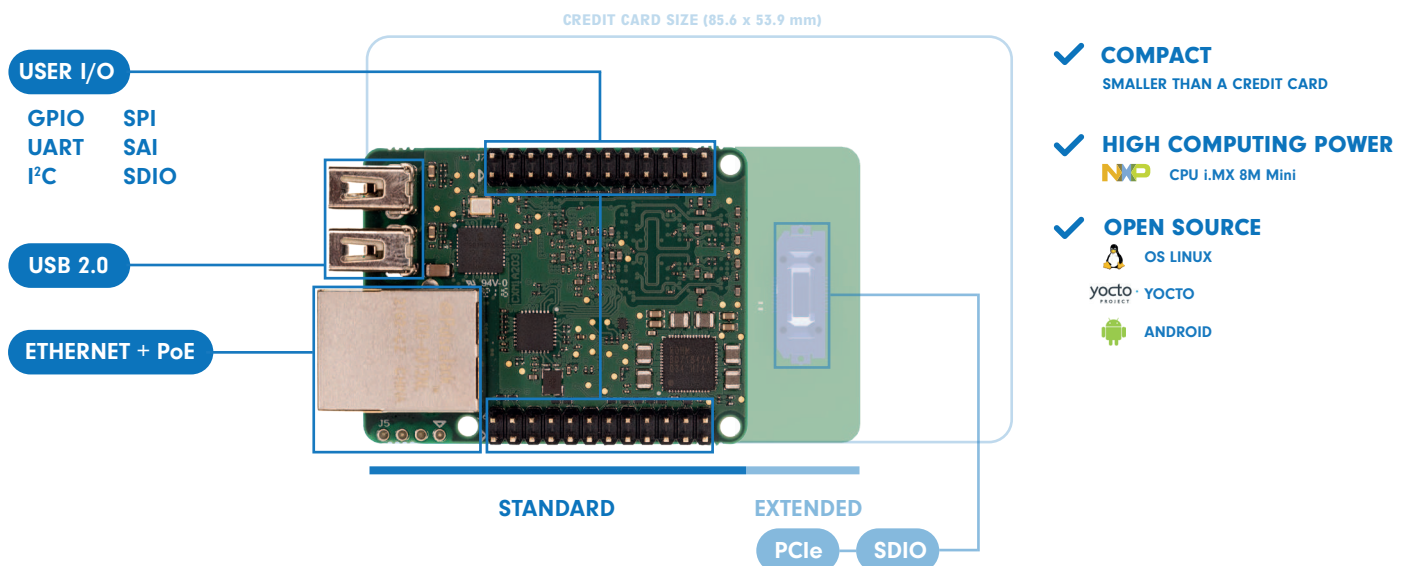
Type	Processor	RAM	Internal memory (eMMC)	Ethernet	PoE	PCIe	Temperature range
Standard	i.MX 8M Mini QuadLite	1 / 2 / 4 / 8 GB	8 / 16 / 32 / 64 / 128 GB	100 Mbit / 1 Gbit	PoE / PoE+	✗	Industrial / Consumer
Extended	i.MX 8M Mini QuadLite	1 / 2 / 4 / 8 GB	8 / 16 / 32 / 64 / 128 GB	100 Mbit / 1 Gbit	PoE / PoE+	✓	Industrial / Consumer

## Why choose Unipi Zulu

- The smallest SBC with long term availability and support thanks to the used components from proven manufacturers such as NXP
- We use Zulu in our own products, this ensures continuous development and updating
- Software openness thanks to OS Linux (Debian), Yocto or Android
- Secure Boot function - allows loading only trusted software
- CE and RoHS certification
- Possible customization of SBC
- Only the components you actually use, no unnecessary extras

## Properties

- Powerful quad core NXP i.MX 8M Mini processor with maximum frequency 1.8 GHz (4× Arm Cortex-A53) + 1× Cortex-M4 (400 MHz)
- 8 GB internal eMMC memory (others on request)
- 1 GB LPDDR4 RAM (others on request)
- 2× USB, 1× Ethernet (PoE), User I/O: 48× GPIO, SPI, UART, SAI, I<sup>2</sup>C, SDIO (Extended type extra: PCIe, SDIO)
- Temperature range:
  - » Industrial: -20 °C ... 70 °C
  - » Consumer: 0 °C ... 70 °C
- Dimensions:
  - » Standard: 57 mm × 40 mm × 15 mm (w × h × d)
  - » Extended: 67 mm × 40 mm × 15 mm (w × h × d)



## Use cases

Zulu has a wide range of applications due to low space requirements, high computing power enabling the management of even the complex industrial-technological units, and software openness for the use of third-party applications or your own software platform.

