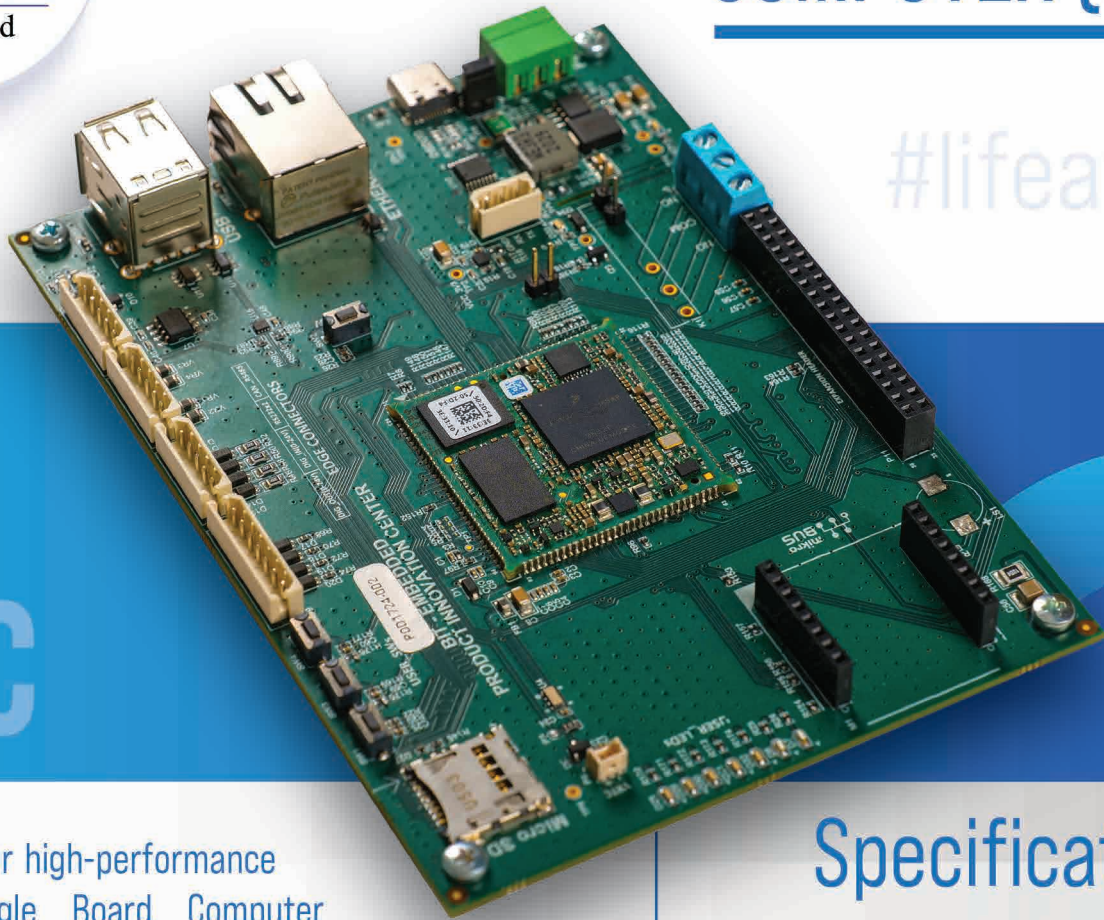# SINGLE BOARD COMPUTER (SBC)

#lifeatbit

SBC

Discover our high-performance Industrial Single Board Computer (SBC), featuring the Phycore System on Module powered by an ARM Cortex-A7 SoC at 686 MHz. Designed for rapid prototyping, this SBC includes a comprehensive suite of interfaces such as Ethernet, RS232, CAN, RS485, and optically isolated digital inputs and outputs. It also has expansion capabilities with GPIO, UART, I^2C, and SPI through a standard MikroBus and an expansion header. Ideal for developers, this robust, versatile board accelerates industrial applications development with unparalleled efficiency and reliability

Specifications

SOM : Phycore SOM

- SOC: NXP-i.MX 6 UL - ARM-Cortex A7
- RAM : 512 MB DDR3

Software

- OS-Yocto Linux
- Kernel Version Linux Kernel 4.12

On-Board Features

- 4x LED
- 1x Relay (5V)
- 2x Push button
- 1x Mini Buzzer (3.3V)

Expansion: SPI, I^2C, UART, GPIO, ADC

Industrial Interface

Applications

- Industrial Automation
- Control Systems
- Data Acquisition and Device Management

- 2x RS232
- 4x DIN (Isolated ~ 24V)
- 1x RS485
- 4x DOUT (Isolated ~ 24V)
- 1x USB
- 1x Ethernet
- 1x CAN
- Standard Mikro-BUS