



\*MikroBus Daughter board not included

## Features

- 2x RS232 ports, 1x USB to Serial & 1x RS232/485 Port
- 3 USB Host ports & 1 USB Device Port
- 1x 10/100 BaseT Ethernet
- Wifi/BT & CAN 2.0B Port
- General I/O: GPIOs, SPI, A/D, D/A, PWM, I2C, I2S
- MikroBus Expansion socket



## Specifications (Actual I/O Availability is SoM Dependent)

Compatibility	EMAC 144-pin SODIMM socket
Storage	1x SD Flash Card Socket
I/O	14x Processor General Purpose I/O (GPIO) Lines; Up to 8x more GPIOs Optional 4x Serial Ports (2xRS232, 1xRS232/422/485, 1x USB Device to Serial Console) 3x USB 2.0 Hosts, 1 USB Device, 1x USB Device to Serial Console 1x CAN 2.0 Port
Analog	4x Channels of A/D (from SoM) Multi-I/O up to 8x more, 12-bit A/D and/or 8x, 12-bit D/A (Optional) 1x 12S Audio Port with Line In/Out
Expansion	MikroBus Expansion Socket
Networking	Wifi (802.11b/g/n) Bluetooth (v4.0) 10/100 BaseT Ethernet with onboard Magnetics and RJ45
Dimensions	3' x 4.75' (77mm x 23mm x 25 mm)
Power Req.	5V at 500MA with SoM-IMX6U at full load
Environment	0° to 60°C [-40° to +85°C optional]

## Product Numbers

PRODUCT #	DESCRIPTION
SoM-112ES-100R	Standard with no multi-I/O, wifi, audio
SoM-112ES-131R	Deluxe version with multi-I/O, wifi, audio

## Optional Accessories

PRODUCT #	POWER SUPPLY
PER-PWR-00032	5V @ 2.5A PS (110V @ 60Hz US)
PER-MIS-0005PR	2.4GHz WiFi Antenna & 20cm IPEX to SMA Cable, Panel Mount SMA
PER-MIS-00050	2.4 GHz & 5 GHz WiFi Antenna with 10 cm cable, IPEX connector, adhesive antenna.