

Serial Master Adapter (SMA-Base)

Short description V0.1

Supported protocols:

LIN, SPI, I²C™, UART, (RS485)

Add-On cards:

- RS485

SMA-485

Isolation Add-On cards:

- Isolated LIN (galvanic isolation w/o fiber)
- Isolated UART (galvanic isolation w/o fiber)
- Isolated RS485 (galvanic isolation w/o fiber)
- Isolated I²C (galvanic isolation w/o fiber)
- Isolated UART with plastic fiber
- Isolated RS485 with plastic fiber
- Isolated LIN with plastic fiber

SMA-ISOLIN
SMA-ISOUART
SMA-ISO485
SMA-ISOI2C
SMA-FIBERUART
SMA-FIBER485
SMA-FIBERLIN

Software:

- Master is controlled by simple serial commands
- Wrapper for Javascript/html connection is available (Windows, Linux avail. on request)

Special protocols for LIN and RS485 available on request

Power supply:

- Main card is powered by USB
- SPI, I2C, UART and RS485 can be powered by the USB connector
- The LIN interface and the isolation Add-On needs an external Power supply

Update:

- An update is easily done by USB

Short technical data:

LIN:	up to 100kBaud, 8V – 28V	Master & Slave, V1.x & V2.x
SPI:	up to 1MBit, 2.5V – 5.5V	Master
I2C:	up to 400kBit, 2.5V – 5.5V	Master & Slave
UART/RS485:	up to 400kBit, 2.5V – 5.5V	Master & Slave

Size: ~ 100mm x 60mm