

Kronegger XXL+B OEM Reader

The Kronegger XXL+B OEM Reader is designed for interoperability, high security, and excellent reading range. It can read and write most contactless 13.56MHz tags available on the market. The module also supports SAM-Controllers for high security applications. The compact design and the serial interface enable a fast integration. For operation, an external antenna which is customized to the application is required. The module has up to 8 additional digital I/O pins.



Designed for smooth integration:

- Services for design in, customization and support based in Europe.
- C# library for a fast integration to the world of PCs.
- Faster delivery and high quality through European production.
- Dedicated test signals for antenna tuning (optional).

Applications

- Kiosks
- High Security Applications
- Cashless Payment
- Vending Machines
- E-Mobility
- Public Transport
- E-Ticketing
- Printers

Specifications

Frequency	13.56 Mhz
Standard	MIFARE® Classic, ISO14443 A; ISO14443 B; ISO15693; Felica; NFC IP-1 passive initiator mode; 106-848 kBaud air interface speed
Supported Tags	MIFARE® Standard, MIFARE® Ultralight, MIFARE® Desfire, MIFARE® Plus, MIFARE® Plus S, MIFARE® Plus SL3, NXP SmartMx, 14443A Controller, 14443B Controller, ICODE SLI, ICODE SLI-S, ICODE SLI-L, ICODE UID, MyD 10p, MyD 02p, MyD 10S, MyD 01P, SLE66R35, SLE66R32P, SLE66CLX360, SLE66CLX800, Felica and more
Functionality	Serial number with anticollision. Full read and write support. Authentication support. APDU support. Bootloader for firmware updates.
Security	2 x SAM interface supported with and without external level shifter and multiplexer. Supported protocols are T=0 and T=1. Baudrates supported: 7168-1000000 bit/s
Interface	CMOS-TTL Serial, 1200 Bit/s to 230400 Bit/s, 8N1; ASCII and binary protocol, C# library
Power Supply	3,3 - 5VDC ± 10% regulated, 50 - 150 mA depending on antenna
Reading Distance	Up to 250mm for ISO15693, Up to 130mm for ISO14443, depending on antenna
Antenna	External, symmetric HF interface
Inputs and Outputs	2 LED-outputs, 8 I/O ports shared with 2 SAM interfaces, enable pin for power down
Dimensions	(LxWxH) 25.5x30.0x4.8mm ± (L/W) 0.5 (H)
Weight	5 g± 10%
Temperature Range	-20°C to + 80°C operational
Storage Temperature	-40°C to + 85°C
RoHS conformity	yes

Order numbers:

- Kronegger XXL+B OEM Reader without SAM-Support 0212-1022
- Kronegger XXL+B OEM Reader with SAM-Support 0213-1022