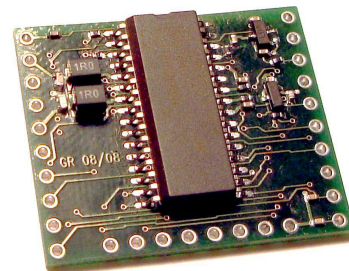


## Kronegger Mifare Plus OEM Reader

The Kronegger Mifare Plus OEM Reader can read and write contactless tags of the MIFARE® Family as well as ISO14443A compatible tags. Both MIFARE® Classic as well as the security enhanced Mifare® Plus and Desfire® are fully supported. The compact design and the serial interface enables a fast integration. For operation an external antenna which is customized to the application is required. Antenna tuning during design in or production is supported by the availability of dedicated test signals from the reader IC.



The module has 4 additional digital I/O pins. For a fast integration to the world of PCs a C# library is available.

### Applications

- Access Control
- Security Applications
- Cashless Payment
- Vending Machines
- Identification
- Public Transport
- E-Ticketing
- Printers

### Specifications

Frequency	13.56 Mhz
Standard	Mifare Classic, ISO14443 A; 106 kBaud Air Interface Speed
Supported Tags	Mifare® Standard, Mifare® Ultralight, Mifare® Desfire, Mifare® Plus, SLE66R35, SLE66R32P
Functionality	Serial number with anticollision. Full read and write support. Authentication support. APDU support. Bootloader for firmware updates.
Interface	CMOS-TTL Seriell, 9600 Bit/s to 115200 Bit/s, 8, N, 1; ASCII and binary protocol, C# library
Power Supply	5VDC ± 10% regulated, ca. 70 mA depending on antenna
Reading Distance	Up to 85mm , depending on antenna
Antenna	External, symmetric HF interface
Inputs and Outputs	LED, 4 I/O Ports, 3 Testpins for signals from the reader IC
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