

Kronegger 125 kHz OEM Reader

The Kronegger 125 kHz Reader is designed for 125 kHz RFID applications. It reads and writes contactless tags compatible to EM4x02, Hitag 1, Hitag 2, Hitag S, ATA5577. An external antenna can easily be connected without need for additional tuning capacitors. The compact design and the serial interface enables a fast integration. The module has one additional digital I/O pin.



Designed for smooth integration:

- Voltage supply 5V
- 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

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

Specifications

Frequency	125 kHz
Supported Tags	EM4x02, Hitag 1, Hitag 2, Hitag S, ATA5577
Functionality	Serial number. Full read and write support. Bootloader for firmware updates.
Interface	CMOS-TTL serial, 1200 Bit/s to 115200 Bit/s, 8, N, 1; ASCII and binary protocol, C# library
Power Supply	5VDC \pm 10% regulated, 70 mA - depending on antenna and tag
Reading Distance	Up to 80 mm , depending on antenna
Antenna	External 490 uH coil, no additional tuning capacitor required
Inputs and Outputs	2 LEDs, 1 I/O port, enable pin for power down
Dimensions	(LxWxH) 25.5x30.0x4.8mm \pm (L/W) 0.5 (H)
Weight	5 g \pm 10%
Temperature Range	-20°C to + 80°C operational
Storage Temperature	-40°C to + 85°C
RoHS conformity	yes

Order numbers:

- Kronegger 125kHz OEM Reader 0214-1010