

deister – innovative products and solutions

The name deister electronic has been synonymous with innovative RFID products and solutions in the fields of security and automatic identification for more than 40 years. Our portfolio of products is used to manage keys and valuable objects, for vehicle identification, access control as well as logistics and automation technology. Developing and marketing new technologies as well as interfaces between products and systems forms the basis to create flexible solutions for customer-specific applications.

Access control readers

Infinity readers support all common reading technologies and the reader portfolio offers a variety of form factors that fit all flush-mounted switch boxes in Europe and can be installed worldwide. The completely potted readers can also be used outdoors, where weather conditions are a factor.

The high-quality, illuminated keyboard can be optimally operated in the dark even while wearing gloves.

Depending on requirements, the Infinity readers are available as single, dual or triple technology readers and support proven 125 kHz technology, high-security 13.56 MHz smart card technology and can be expanded with future-oriented technology such as Bluetooth® via plug-in modules.

All readers also have an updatable memory so that future card technologies, protocols, cryptology procedures or simply function changes can be added at any time. This ensures that Infinity readers are always future-proof.

Your benefits at a glance:

- **Supports up to 3 reading technologies simultaneously (Triple Technology)**
- **Future-proof thanks to plug-in modules**
- **Supports all common reading technologies in the 125 kHz and 13.56 MHz range**
- **Timeless, elegant design with interchangeable cover**
- **New software versions, new features or protocols can be loaded at any time**
- **3 LEDs for clear status indication, also for colour blind or persons with red/green visual impairment**
- **High-quality illuminated keyboard for easy operation even in the dark**
- **Keys with tactile feedback suitable for operation with gloves**



iRx 6 US



iKx 6 US

Technical Data:

Dimensions in mm WxHxD:

All dimensions including cover and tamper plate

Infinity iRx 6 / iKx 6 EU	87 x 113 x 23 (flush mounting)
	87 x 113 x 32 (surface mounting)

Colour: black

Protection class:

iRx 6 / iKx 6 IP54 (optional IP65)

Mounting: surface or flush mounting

Operating temperature: -25...+60 °C

Relative humidity: 5...95%, non-condensing

Power requirement: 12...24 VDC / <200mA

Frequencies:

iRD 6 / iKD 6	13,56 MHz / 125 kHz
iRL 6 / iKL 6	13,56 MHz
iRM 6 / iKM 6	13,56 MHz

Transponder-technologies:

iRD 6 / iKD 6 ISO14443A+B, ISO15693, MIFARE® DESFire (EV1 & EV2) HID® prox, HITAG, EM

iRL 6 / iKL 6 Legic Prime, Legic Advant

iRM 6 / iKM 6 ISO14443A+B, ISO15693, MIFARE® DESFire (EV1 & EV2)

Encryption: MIFARE® classic, AES
HITAG 2 crypto

Reading distance: up to 50 mm, depending on the technology

Signalling: red/green/white LED, Beeper

Interfaces: Open Collector, RS485

Protocols: Wiegand, Data/Clock, Magstripe, deBus, deBus crypt, OSDP V2, customized