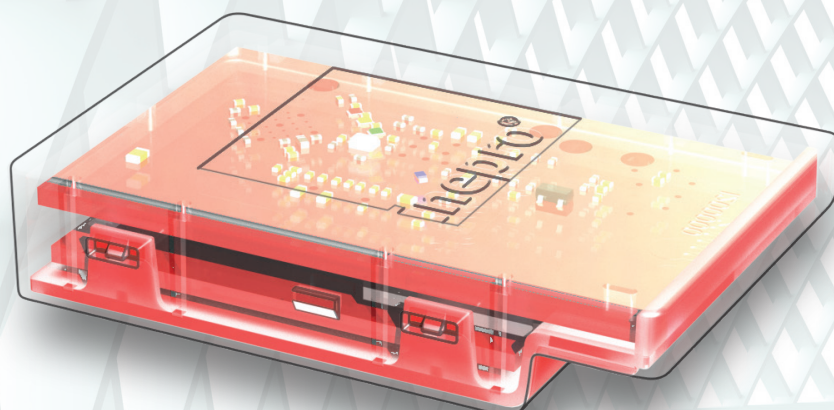




Red Spider

Highly secure and manageable RFID reader
for LF, HF, NFC and BLE



5
YEAR
WARRANTY



Total Control

The Red Spider is **inepro's** latest high-performance RFID reader. Due to its compact size, the Red Spider Core integrates perfectly in every device where it is built in. The reader supports LF and HF technologies (125kHz and 13.56 MHz) and by supporting NFC and Bluetooth Low Energy, the Red Spider RFID reader is perfectly suitable for mobile data communication and authentication. It can be linked via multiple communication protocols, i.e. USB, RS232, to embed it in any kind of machine and device such as multi-functional printers (MFP's), vending machines, E-charging solutions and many more.

Red Spider features:

- Stand-alone operation
- Easy built-in integration for multifunctional -, network printers and devices
- Bulk supply to reduce eco footprint
- Integrated antenna on PCB
- SAM Socket, Secure Access Modules, ID-000 form factor
- Compatible with any device supporting USB or serial communication
- Supported USB communication: keyboard emulation, virtual comport, RAW
- Supported serial communication: RS232
- Integrated BLE module 2.4 GHz for data communication and authentication,
- Contactless config card for (re)configuration
- Config tool for (re) configuration (over network)
- Mobile app for (re) configuration
- Mobile app for user identification using NFC and BLE
- Touchless authentication via LF, HF, NFC and BLE
- Secure element for secure data storage of firmware and configuration

CE
FCC
IC
UK
CA



Technical data

- Housing : PC ABS V0, Two tone color, red and transparent
- Dimensions : 62,25 x 41,30 x 12,50 mm/2.45 x 1.62 x 0.49 inch (L x W x D)
- Weight : Approx. 23 g/0.81 oz (excl. cable)
- Frequency : 125kHz (LF), 13.56 MHz (HF), 2.4 GHz (BLE)
- Antenna : Integrated antenna on PCB
- Default output : Decimal number HID Keyboard output with enter
- Power supply : 4.3 V -5.5 V via pico blade connector
- Current Consumption : RF field idle on: 150mA typically 280mA max
- Temperature range : Operating: -25 °C up to +85 °C (-13 °F up to +185 °F)
- Relative humidity : 5% to 95% non-condensing
- Read distance : LF and HF: Up to 100 mm/4 inch, depending on transponder and environment
- Operating modes : USB keyboard emulation, USB virtual COM port, USB RAW, RS232
- Bluetooth low energy : Bluetooth v5.3, software upgradable; standards as GAP, SM, L2CAP, ATT; predefined GATT structure; AES128 supported
- MTBF : 500,000 hours
- Connectivity : Pico blade connector and variety of standard USB connectors, use only with original **inepro** cables
- Transmission speed : Host: USB Full speed (12Mbit/s), HF Air: up to 848 kbit/s, BT Air: up to 100 kbit/s
- Certification name : Red Spider
- Certification(s) : CE, UKCA, FCC, IC, REACH and RoHS-III compliant

Supported transponders 13.56MHz

- **ISO/IEC 14443 Type A:** ISO/IEC 14443 Type A: HID Seos
- **ISO14443A:** Mifare Classic, Mifare Classic EV1, Mifare Mini, Mifare DESfire Light/EV1/EV2/EV3, Mifare Ultralight Nano/C/EV1/AES, Mifare Plus S/X/EV1/EV2, Mifare Pro X, Mifare Smart MX, NFC HCE, NTAG2xx, SLE44R35, SLE55Rxx, SLE66Rxx
- **ISO18092:** ECMA-340: NFC Forum Tag 1-5, NFC Peer-to-Peer, NFC Active and passive communication mode
- **ISO15693:** iCLASS, iCLASS SE/SR, i-CODE UID

Supported transponders 125kHz

- **ISO18000-2:** CS-AWID, Cardax, CASI-RUSCO, EM41xx and compatible EM4100/4102/4200, EM4050 (Titan), EM4105, EM4150, EM4305, EM4450, EM4550, Farpointe Pyramid, Gallagher, HID Prox, HID Prox II (1326), HID DuoProx II (1336), HID ProxKey III (1346), HID ISO Prox II (1386), HID Micro Prox (1391), HID Prox UDF, Hitag 1, Hitag 2, Hitag S, HID Indala, HID Indala ASP/ASP+ UIN, HID Indala 10022, Honeywell NexWatch, ioProx, Keri NXT, Nedap, NeoCardProx, Nexkey, Prox-lite, Q5, T5555, T5557, UNIQUE

SKU

Built-your-own reader:

- 200020 : Red Spider Core (single piece)
- 200020-20 : Red Spider Core (20 pieces, bulk)

USB cables:

- | | | | |
|-----------|-------------------------------------|--------|------------|
| ■ P279240 | : Spider USB Cable Type B Mini Male | 6,5 cm | 2.56 inch |
| ■ P279242 | : Spider USB Cable Type B Mini Male | 60 cm | 23.62 inch |
| ■ P279243 | : Spider USB Cable Type A Male | 180 cm | 70.86 inch |
| ■ P279244 | : Spider Serial Cable | 100 cm | 37.00 inch |
| ■ P279245 | : Spider USB Cable Type B Mini Male | 180 cm | 70.86 inch |
| ■ P279247 | : Spider USB Cable Type A Male | 15 cm | 5.90 inch |
| ■ P279248 | : Spider USB Cable Type A Male | 75 cm | 29.52 inch |

Accessories:

- | | | |
|----------|-------------------------------|-----------------|
| ■ 200021 | : Spider Desktop Kit | excl. USB cable |
| ■ 200022 | : Spider Pocket Kit | excl. USB cable |
| ■ 200023 | : Spider Desktop MFP Kit | excl. USB cable |
| ■ 200024 | : Spider Pocket Landscape Kit | excl. USB cable |

Assembled sets: (including reader)

incl. USB cable

- | | | | | |
|----------|-----------------------------------|--------|------------|------------------|
| ■ 200027 | : Red Spider Desktop MFP Complete | 180 cm | 70.86 inch | Type A Male |
| ■ 200029 | : Red Spider Desktop MFP Complete | 60 cm | 23.62 inch | Type B Mini Male |
| ■ 200031 | : Red Spider Desktop MFP Complete | 75 cm | 29.52 inch | Type A Male |
| ■ 200033 | : Red Spider Desktop MFP Complete | 15 cm | 5.90 inch | Type A Male |