



Red Spider Desktop

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



5
YEAR
WARRANTY



Touchless authentication

Ingenuous housing creates the ideal RFID reader. By rotating the top of the housing you can determine which side the USB cable comes out of the housing. For a desktop operation it's ideal the USB cable comes out at the back of the housing since it's linked to a desktop operated device such as a computer, E-POS or industrial machine. The foil on the Spider Desktop is adjusted to this situation so the user experiences an optimal visual communication for an easy to use touchless authentication. The only thing you need to add is the correct USB cable.

Spider features:

- Stand-alone operation
- Easy installation for desktop operation
- Easy built-in or on integration for any device
- Bulk supply to reduce eco footprint
- Integrated antenna on PCB
- Integrated BLE module 2.4 GHz for data communication and authentication
- SAM Socket, Secure Access Modules, ID-000 form factor
- Compatible with any device
- Supported USB communication: keyboard emulation, virtual COM port, RAW
- Supported serial communication: RS232
- 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
- Standard RFID identification foil
- Customizable RFID identification foil
- How-To videos

CE
FCC
IC
UK
CA



Technical data

- Housing : PC ABS V0, Two tone color, white and Intelligent dark grey
- Dimensions : 77,20 x 51,80 x 14,55 mm/3.03 x 2.03 x 0.57 inch (L x W x D)
- Weight : Approx. 41 g/1.44 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 / Write distance : LF and HF: Up to 100 mm/4 inch, depending on transponder and environment
- Operating modes : USB keyboard emulation
- Bluetooth low energy : Bluetooth v5.3, software upgradable; standards as GAP, SM, L2CAP, ATT; predefined GATT structure; AES128 supported
- 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, Legic Advant UID, 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, Legic Advant 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

* Red Spider is HID RFID technology compliant. To activate HID technology, additional activation and/ or a HID Seos SAM card is required.

SKU

Built-your-own RFID reader:

- 200021 : Red Spider Desktop Kit excl. USB cable

USB cables:

- 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 Generic Serial Cable 180 cm 70.86 inch
- P279245 : Spider USB Cable Type B Mini Male 180 cm 70.86 inch
- P279246 : Spider Serial Cable RJ12 100 cm 39.37 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

Assembled RFID reader (EU only):

- 200025 : Red Spider Desktop Complete 180A, including P279243

Custom kits are available on request. Kits are a compilation of the Red Spider Core RFID Reader, cable, accessories, packaging and configuration. Customer receives its own SKU for their custom kit.