



Spider Desktop

High secure and managable RFID reader/writer for LF, HF, NFC and BLE



5
YEAR
WARRANTY

Touchless authentication

Ingenious 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



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 v5.0, 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
- Cerification name : Spider
- Cerification(s) : CE, FCC, IC, SRRC, MIC, RCM, WPC, UKCA, REACH and RoHS-III compliant

Supported transponders 13.56MHz

- **ISO14443A/B:**
LEGIC Prime, LEGIC Prime MIM 22, LEGIC Prime MIM 256, LEGIC Prime MIM 1064, LEGIC Interflex, LEGIC KGH seg.1 – seg.4, LEGIC Advant, LEGIC Advant ATC512-MP110, LEGIC Advant ATC2048-MP110, LEGIC Advant ATC4096-MP110, LEGIC Advant AFS4096-JP11, Mifare Classic, Mifare Classis EV1, Mifare Mini, Mifare SE, Mifare DESfire 0.6, Mifare DESfire EV1, Mifare DESfire EV1 SE, Mifare DESfire EV2, Mifare DESfire Light, Mifare DESfire EV3, Mifare Plus S.X, Mifare Plus EV1, Mifare Plus EV2, Mifare Pro X, Mifare Smart MX, Mifare Ultralight, Mifare Ultralight C, Mifare Ultralight EV1, NFC HCE, NTAG2, SLE44R35, SLE55Rxx, SLE66Rxx, Bank cards
- **ISO18092:**
ECMA-340: NFC Forum Tag 1-5, NFC Peer-to-Peer, Sony FeliCa, NFC Active and passive communication mode
- **ISO15693:**
LEGIC Advant ATC 128-MV, LEGIC Advant ATC 1024-MV, iCLASS, iCLASS SE/SR, i-CODE UID

Supported transponders 125kHz

- **ISO18000-2:**
CS-AWID, Cardax, CASI-RUSCO, Cotag, EM41xx and compatible EM4100,4102, 4200, EM4050 (Titan), EM4105, EM4150, EM4305, EM4450, EM4550, Farpointe, FDX-B, Gallagher, Prox, Prox II (1326), DuoProx II (1336), ProxKey III (1346), ISO Prox II (1386), Micro Prox (1391), Prox UDF, Hitag 1, Hitag 2, Hitag S, Indala, Indala ASP/ASP+ UIN, Indala 10022, Indala 10251, Indala 11037, Indala 15024, Indala 17531, Indala 1771X, Indala ASP+ default modes, ioProx, Keri, Nedap, Nexkey, Proxlite, Pyramid, Rosslare, Q5, T5555, T5557, UNIQUE

SKU

Built-your-own RFID reader:

- 200001 : 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):

- 200005 : Spider Desktop Complete 180A, including P279243
- **Custom kits** are available on request. Kits are a compilation of the Spider Core RFID Reader, cable, accessories, packaging and configuration. Customer receives its own SKU for their custom kit.