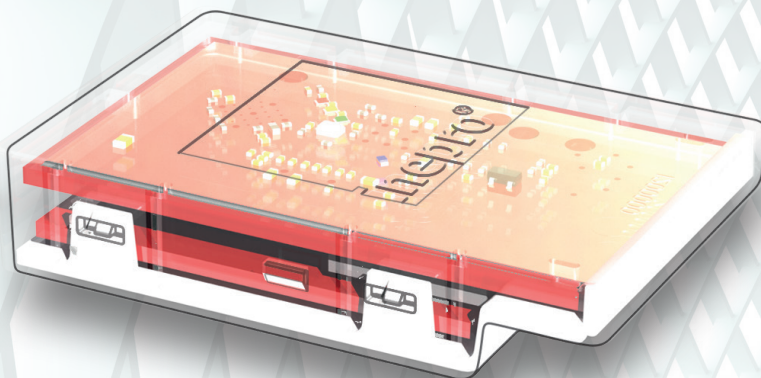


Spider Core RFID Reader

Secure Identification and Authentication for LF, HF, NFC and BLE



The Spider Core is **inepro's** latest high-performance RFID Reader. Due to its compact size, it integrates perfectly in every device, supporting a wide range of LF and HF technologies (125kHz and 13.56 MHz), NFC, Bluetooth Low Energy (BLE) and HID Seos*, providing the perfect solution for mobile data communication and authentication. It can be connected through multiple communication protocols, i.e. USB, RS232, to embed it into devices such as multifunctional printers (MFP's), vending machines, smart lockers and E-charging solutions.

Key benefits include:

- **Simplicity** – just one 1 reader for multiple purposes
- **Ease-of-Use** – **effortless usability** and intuitive design ensures a seamless experience during mounting and daily use
- **Robust security** – **advance authentication** protects your information & data
- **Modularity** – **adaptable** to your specific hard- and software requirements
- **Efficiency** – **bespoke customer solutions** resulting in efficient stock and logi



Technical data

- Housing : PC ABS V0, Two tone color, white 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 CCID, USB RAW, RS232
- Bluetooth low energy : Bluetooth v5.0, 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 : Spider
- Certifications : CE, FCC, ISED, SRRC, MIC, RCM, WPC, UKCA, REACH and RoHS 2

Supported transponders 13.56MHz

- **ISO14443A/B:** LEGIC Prime all types, LEGIC KGH, LEGIC Advant all types, 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, 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 all types, HID iCLASS*, HID iCLASS SE/SR*, i-CODE UID
- **ISO/IEC 14443 Type A:** HID Seos* *The Spider is HID compliant. To activate it, a HID OMNIKEY SAM card is required.

Supported transponders 125kHz

- **ISO18000-2:** CS-AWID, Cardax, CASI-RUSCO, Deister, EM41xx and compatible EM4100/4102/4200, EM4050 (Titan), EM4105, EM4150, EM4305, EM4450, EM4550, Farpointe Pyramid, Gallagher, GProx II, 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, Paradox, ProxLite, Q5, T5555, T5557, UNIQUE, SecuraKey *The Spider is HID compliant. To activate it, a HID OMNIKEY SAM card is required.

Mobile APPS

- **inepro NFC Me, inepro Spider ID**

SKU

Built-your-own Reader:

- 200000 : Spider Core (single piece)
- 200000-20 : Spider Core (20 pieces, bulk)

USB cables:

- | | | | |
|-----------|-------------------------------------|--------|------------|
| ■ P279240 | : Spider USB Cable Type B Mini Male | 6,5 cm | 2.56 inch |
| ■ P279241 | : Spider USB Cable Type A Male | 17 cm | 6.69 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 |
| ■ P279250 | : Spider USB Cable Type A Male | 25 cm | 9.84 inch |

Accessories:

- | | | | |
|----------|-------------------------------|-------|-----------|
| ■ 200001 | : Spider Desktop Kit | excl. | USB cable |
| ■ 200002 | : Spider Pocket Kit | excl. | USB cable |
| ■ 200003 | : Spider Desktop MFP Kit | excl. | USB cable |
| ■ 200004 | : Spider Pocket Landscape Kit | excl. | USB cable |

Assembled sets: (including reader)

- | | | incl. USB cable | | |
|----------|----------------------------------|-----------------|------------|------------------|
| ■ 200007 | : Spider Desktop MFP Complete | 180 cm | 70.86 inch | Type A Male |
| ■ 200009 | : Spider Desktop MFP Complete | 60 cm | 23.62 inch | Type B Mini Male |
| ■ 200011 | : Spider Desktop MFP Complete | 75 cm | 29.52 inch | Type A Male |
| ■ 200013 | : Spider Desktop MFP Complete | 15 cm | 5.90 inch | Type A Male |
| ■ 200017 | : Spider Desktop Complete Serial | 100 cm | 37.00 inch | Type 120RJ12 |