The Paragon ID Universal Contactless Module (UCM) is the ideal contactless core module, thanks to its small footprint, high integration and state of the art design. The UCM can be easily integrated in any top of the line contactless application.

Its unique open design enables your contactless system to be fully compliant with ISO standards.
**PRODUCT SPECIFICATIONS**

**RF Interface**
- ISO14443 A/B/B', Felica®, Mifare®
- High speed RF communication: 106 to 848 kb/s for ISO A/B, 212 to 424 kb/s for Felica®

**Power supply**
- USB powered 5V or 5VDC

**User interface**
- 2 LEDs driver

**Communication interface**
- USB Full speed: 12 Mb/s, CDC or CCID, Serial TTL 115.2 kb/s (9.6 up to 691 kb/s)

**Operating system**
- Windows, Linux, OS X, Android
- Serial emulation (VCP) for USB CDC or PC/SC for USB CCID

**Supported cards**
- ISO14443 A/B/B', ISO 18092 (NF), Mifare® 1K, 4K, Plus, Ultra Light (& EV1, C), ProX, SmartMX DESFire® 2K, 4K, 8K, Calypso Rev 1, Rev 2, Rev 3 (CD97, GTML, GTML2, CT2000, CD21, TamG)^®^, CTS256B, CTS512B, CTM512B, ST SR Family, THTF1064, Atmel, Infineon, NXP, Sony-Felica®, STM
- ICAO, Java Card®, ITSO

**SAM interface**
- 1 direct SAM slot or up to 5 slots using additional interface
- ISO7816 T=0, T=1, with PPS up to 1.2 Mb/s

**Physical Characteristics**
- Dimensions: 31 x 26 x 6 mm
- Weight: 3g
- Operating Temperature: -25 to +60 °C
- Storage Temperature: -30 to +85 °C
- Humidity: 90% non-condensing

**Standards**
- RoHS, WHQL, RGTIF V4 Class B enabled
- CEN/TS 16794:2015 Ready

**DEVELOPMENT & EVALUATION KIT**

The development and evaluation kit feature a set of tools to enable quick and easy development / evaluation to operate contactless cards, C.tickets® and readers.

Our kit includes:
- 1 UCM108C
- USB and serial adaptation cables
- 1 full range of contactless cards and C.tickets®
- 1 USB flash drive with:
  - Software drivers, evaluation applications
  - Libraries and technical documentation (development kit only)

**APPLICATIONS**

- Public transport
- Identity
- Loyalty
- Points of sale
- Physical access control
- Logical access control
- Ticket machines
- ATM
- Toll
- Parking
- Banking

The specifications are subject to change without notice. We reserve the right to discontinue any product without notice.

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