

## UCM108C



The ultimate  
solution for your  
contactless  
integration

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

Features	Parameter	Value
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 (NFC) 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, TanGO) 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 HSP Innovatron Protocol
Physical Characteristics	Parameter	Value
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 RCTIF V4 Class B enabled CEN/TS 16794-2015 Ready	

## DEVELOPMENT & EVALUATION KIT

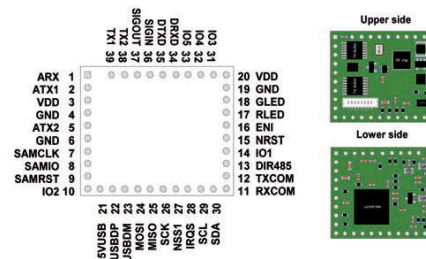
The development and evaluation kit feature a set of tools to enable quick and easy development / evaluation to operate contactless cards, C.tickets® and readers.

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)

## BLOCK DIAGRAM

- Basic 2.54 mm pinout compatible with other contactless industry modules
- Paragon ID extended pinout functionalities



## APPLICATIONS

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