



# Reader

The ASK CPL108 and CPL118 couplers are small-size multipurpose contactless couplers based on the UCM108 contactless module.

## CPL108 & CPL118 couplers

The ultimate solution for your contactless interface

### Application fields

- Transport: reloading and issuing
- Identity: eID, ePassport, eGovernment applications
- Banking: point of sale, ATM, loyalty, remote payment
- Logical or physical access control
- All other general 13.56MHz contactless applications

### System integration

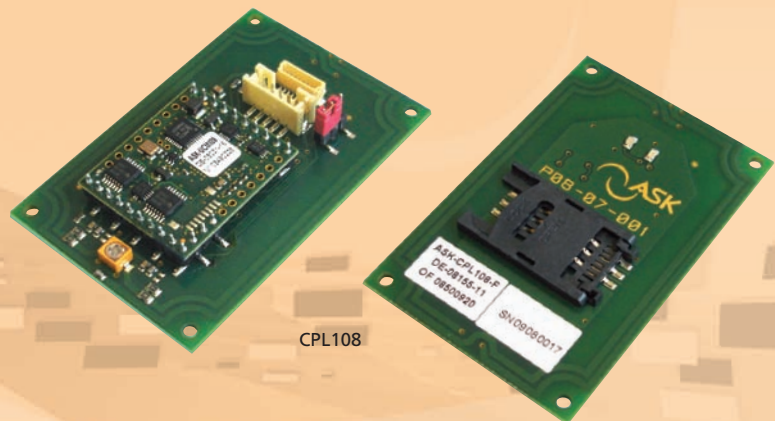
- USB2.0 full speed bus powered interface
- Serial RS232 or TTL interface
- USB CDC VCP driver, or USB CCID PC/SC driver
- 2 front signaling LEDs

### Features

- ISO14443 A/B/B', Felica®, Mifare®, Mifare Plus
- High speed RF communication: 106 up to 848 kb/s for ISOA/B, and 212 up to 424 kb/s for Felica®
- 1 SAM socket
- Operating distance: up to 6cm, depending on card
- 5VDC 250mA operation
- FDC102 loaded RF field: > 1,5A/m up to 35mm
- Size: 69 x 45 x 14 mm
- Operating temperature: -25°C to +60°C



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## Standard products

- CPL108-F: USB & RS232 serial interface
- CPL108-T: TTL serial interface

## Volume order products

- CPL108-U: USB only interface
- CPL108-S: RS232 only interface
- CPL118-S: RS232 on ZIF connector interface
- CPL118-T: TTL serial on ZIF connector interface

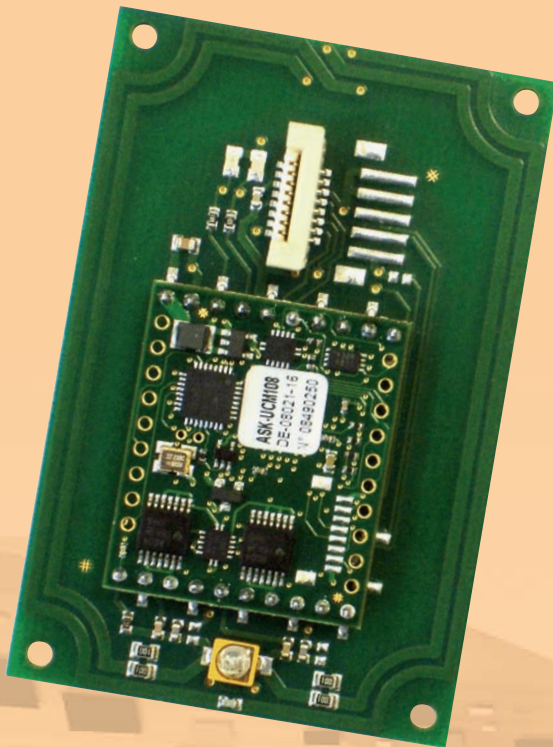
## Interfaces description

- Serial interface:  
Default data rate 115.200 Kb/s
- Configurable from 9600b/s up to 691.200 Kb/s
- USB: JST B5B-PH-SM4-TB
- Serial: JST BM08B-SRSS-TB
- ZIF: Molex 52610-0871

## Development and evaluation kits

The development and evaluation kits feature a set of tools to enable quick and easy development / evaluation to operate contactless cards, C.tickets® and readers. They are available in a package containing:

- 1 reader or a coupler
- 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)



CPL118

