

Our couplers are easy to integrate on new or existing devices and bring a cost effective solution



OUR RANGE OF CONTACTLESS COUPLERS ARE DESIGNED FOR A WIDE RANGE OF CONTACTLESS APPLICATIONS.

OUR RANGE INCLUDE 6 REFERENCES ALL WITH DEVELOPMENT KITS.

PRODUCT SPECIFICATIONS

		CPL528	CPL548 OEM kit	CPL508	CPL1x8	CPL119	CPL629	
Physical characteristics	Dimensions	103 x 66 x 13 mm	92 x 78 x 18.2 mm	80 x 51.5 x 14.5 mm	69 x 45 x 14 mm	69 x 45 x 7.4 mm	103 x 66 x 13 mm	
	Weight	40g	51g	23g	14g/15g	12g	45g	
	Operating Temperature	-20 to +60 °C	-25 to +70 °C	-20 to +60 °C	-20 to +70 °C	-25 to +70 °C	-20 à +60 °C	
	Storage Temperature	-40 to +70 °C						
	Relative humidity	90% non-condensing						
	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®				+ ISO16693 (Optional)	+ ISO15693	
	Power supply	USB powered 5V 500 mA	Yes	CPL548-UK	CPL508-U	CPL108-F	-	Yes
		External Power supply 7-30V	Yes	CPL548-SK	-	-	-	Yes
		External Power supply 5V	Yes	-	CPL508-S	CPL108-F & T CPL118-D	CPL119-D	Yes
User interface	LEDs	4 green LEDs with ANT550	4 green LEDs with ANT548	4 green LEDs	1 green LED 1 red LED	-	4 green LEDs with ANT550 (Multicolour option)	
	Buzzer	Yes with ANT550	Yes	Yes	-	-	Yes with ANT550	
Specifications	Communication interface	USB Full Speed: 12 Mb/s	Yes	CPL548-UK	CPL508-U	CPL108-F	-	Yes
		RS232C serial 115.2 kb/s (9.6 → 691kb/s)	Yes	CPL548-SK	CPL508-S	CPL108-F	-	Yes
		TTL serial 115.2 kb/s (9.6 → 691 kb/s)	Yes	-	-	CPL108-T – CPL118D	CPL119-D	Yes
		Ethernet	-	-	-	-	-	Yes
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, CIPURSE™						
	SAM interface	ISO7816 T=0, T=1, with PPS up to 1,2 Mb/s - HSP Innovatron Protocol	4 slots	4 slots	2 slots	1 slot (CPL108)	-	4 slots
	Supported antennas	Antennas: ANT400-P, ANT400-E (77 x 51,5 mm) ANT440, ANT440-P, ANT441 (103 x 66 mm) ANT550 (103 x 86 mm) ANT580, ANT581 (Ø 174 mm) ANT521 (125 x 91 mm, windowed) Antenna multiplexers: MUX482 (2 antennas), MUX58x (x antennas)	Stacked: ANT440, ANT550 Remote: ANT400-E, ANT441, ANT580, ANT581, ANT521 MUX482, MUX58x	Provided with stacked ANT548 only	Stacked: ANT400-P, ANT440-P Remote: ANT400-E, ANT441, ANT580, ANT581, ANT521 MUX482	Embedded	Embedded	Stacked: ANT440, ANT550 Remote: ANT400-E, ANT441, ANT580, ANT581, ANT521, SMB coaxial MUX482, MUX58x
	Miscellaneous	-	-	-	TTL & Power on ZIF Connector	- TTL & Power on ZIF Connector - LPCD (1 mA)	I/Os: GPIOs, I²C, SPI, Smartcard extension	
Standards	Miscellaneous	RoHS, WHQL						
	Transport	CEN/TS 16794-2017 Ready RCTIF V5 Ready						

APPLICATIONS

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