CityFlow®
PLG548

The reader of reference for contactless projects

The **CityFlow** is designed for the convergence of mass transit and payment applications . It is a ruggedized, EMV and transport/RCTIF compliant contactless reader.

This new reader is meant to deliver superior card processing capabilities to kiosks, vending machines or access control gates integrating both EMV and contactless transit cards .

PRODUCT SPECIFICATIONS

Features		
	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	CityFlow PLG548 -UE: USB bus powered (5 V, 500 mA) CityFlow PLG548 -SE: 7-30 VDC (500 mA at 7 VDC)
	User interface	4 green LEDs , 1 buzzer
	Communication interface	CityFlow PLG548 -UE USB Full speed: 12 Mb/s, CDC or CCID. CityFlow PLG548 -SE RS232C serial 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	4 SAM slots + 1 secure element NXP JCOP ISO7816 T=0, T=1, with PPS up to 1,2 Mb/s HSP Innovatron Protocol
	Memory	256 KB for internal firmware 2 MB Flash and 256 KB RAM for extension firmware

Physical Characteristics		
	Dimensions	100 x 86 x 25 mm
	Weight	140 g
	Operating Temperature	-25 to 70 °C
	Storage Temperature	-30 to 85 °C
	Relative humidity	90% non-condensing

Standards	
	CE, FCC part 15, RoHS, WHQL RCTIF V4 Class A EMV Level 1 2.3 IP65, IK10 CEN/TS 16794 -2015 Ready

PRODUCT DESCRIPTION

- The new CityFlow is a fully packaged EMV certified contactless reader designed for both contactless payment and transit applications .

- Easy to integrate on a new or existing device, when surface mounted, the final equipment will benefit from the EMV contactless certification .

- It is highly ruggedized to withstand demanding outdoor environments .

- The CityFlow is suitable to various configurations as it can be mounted on all types of materials including metal .

- Optional additional memory extension to run third party software

- Secure element allowing secret keys storage and equipment remote management

APPLICATIONS

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