Reader

ASK

CityFlow

Open Payment and Transport card Reader

Easy access to contactless payment for transit equipment

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.

Main features

- 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 memory extention to run third party software

- Secure element allowing secret keys storage and equipment remote management

Applications

- Ticket vending machines
- ATM
- Parking payment
- Toll
- Access control
- Transportation

NFC

ISO 14443 A/B/B'

Mifare®

Felica®

HF

calypso

To PATH Trains

Standards	EMV contactless Level 1	•
	RCTIF* V4 Class A	•
	ISO 14443 A/B/B'	•
	ISO7816 Class A/B/C	•
	CE, FCC tested	•
RF	High transfer speed	106 to 848 kbps
	Operating Distance	Up to 6cm
Contactless cards	Mifare Classic, Mifare Plus, Mifare Desfire, SmartMX	
	Java Card	
	Limited use tickets Ultralight, Ultralight C, SRT512, CTS/CTM512	
	Calypso Rev 2, Rev 3 (TanGO, CD21)	
	Contactless bank cards (Visa, Mastercard…)	
Memory	512Kb Flash	•
	Optional extended 2Mb Flash	•
SAM		4
Buzzer		•
LED	Green	4
Size	WxHxD mm	100x86x25
Customization	Layout sheet	•
Environment	Operating temperature	- 25°C to 70°C
	Storage temperature	-30°C to 85°C
	Relative humidity	90% Non-condensing
IP	Ingress protection	IP65
IK	Shock protection	IK10

* RCTIF V4.0 is a high-level certification, with stringent criteria. It was developed to ensure global interoperability.

Product references

- PLG548-SE: RS232 host interface, 7-30V DC
- PLG548-UE: USB2.0 host interface, 5V by USB