UIC680FG Contactless Smart Card Reader Specification

The contactless smart card reader module UIC680FG is mainly to support the contactless payment systems. The small footprint size of the module makes it easily to integrate to the current transaction system such as Point-of-Sale terminal, kiosk, and vending machine station as the part of the system. The module communicates with a host computer or terminal using a standard RS-232, USB or TTL interface.

FEATURES

- Small footprint PCB with antenna board
- Supports ISO 14443 & ISO 18092 standard
- Supports American Express® ExpressPay, MasterCard® PayPass™ (Contactless MagStripe and M/Chip), Visa® PayWave (MSD and qVSDC), and Discover Network Zip Contactless Payments applications,
- Encrypted card data output (optional)
- The direct coupling antenna
- RS232 and USB 2.0 by use of corresponding cables

AGENCY APPROVAL

- Specifications for FCC Class B, CE Class B, BSMI
- EMVCo CLL1, Visa, Paypass, AMEX, Discover

SPECIFICATIONS

Communication	Standard RS232 signal level Compatible with USB 2.0 specification
Power Requirements	5V DC ± 5%
Power Consumption	330mA in idle mode; 430mA in operating mode
Operating Temperature	-10 to 50℃
Operating Humidity	10 to 85% (non condensing)
Dimension	104mm(L)x72mm(W)x17.5mm(H)

PIN ASSIGNMENT

Interface J5 Pin Assignment

DB9	Signal	Direction	PCB-J5	Signal
5	GND		1	GND
2	RxD	← Serial data to host	2	TXD1 Out
3	TxD	→ Serial data from host	3	RXD1 In
			4	VCC
		USB data	5	USB D-
		USB data	6	USB D+
	Shield		7	Shield

Changes or modifications are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: TFJUIC680FG ". If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This module is intended for OEM integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product which integrates this module.