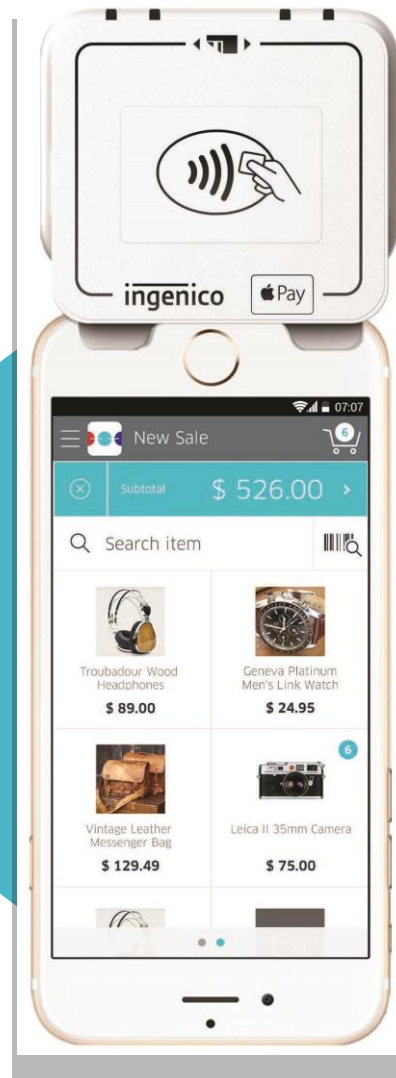# RP170c NFC Mobile Card Reader

Powering secure mobile-to-mobile transactions

- Accept magstripe transactions and NFC/contactless payments, including Apple Pay, MasterCard contactless, and Visa payWave in a single device

- Certifications include EMV Level 1 Contactless, Visa Ready & mPOS MasterCard approved

- Support for 100+ iOS and Android™ mobile devices

- White labeling options enabling custombranding of device

security   magstripe   contactless   audio jack

compatible with

iOS   android

> **The RP170c enables the acceptance of both card-based transactions and NFC/contactless payments, allowing merchants to offer their customers a fast, simple and secure way to pay – anywhere, anytime.**

Innovative

- NFC/contactless reader and dual track magstripe reader (MSR) in one unit
- Accept new and existing forms of NFC/contactless payment like Apple Pay, MasterCard contactless and Visa payWave• Integrated extended life rechargeable battery
- Audible buzzer and color LEDs to signal completed contactless transactions

Flexible

- Compatible with virtually any iOS or Android device and connects via a 3.5mm standard audio jack
- Secure APIs compatible with hundreds of iOS and Android™ mobile devices
- White labeling options enabling custom-branding of device
- Universal SDK across RP- and G-series mobile card readers with automatic device identification

Secure

- EMV L1 Contactless certified, and compliant with the latest Visa Ready and MasterCard guidelines
- End-to-end encryption of cardholder data upon swipe or NFC/contactless tap
- Developed by the world's first and most experienced provider of secure mobile card readers

Feature	Description
Card Readers	Magnetic card reader: Standard (ISO 7810, 7813, Track 1 & 2) Contactless reader: Standard (ISO 1443 A&B) with 4 LEDs
Display	1x LED for device & battery status, 4x LEDs for contactless
Buzzer	Yes
Connectivity	Audio jack: for communication with mobile device
Battery	Li-ion - 260 mAh
Battery Life	Minimum 200 magstripe or 50 contactless transactions, over 1 week
Dimensions	66 x 49 x 16mm / 2.60 x 1.93 x .63in (l x w x h)
Certifications	EMV L1 contactless PayPass Paywave
Power Supply	via µUSB AB cable

• **TR-39 & PCI PIN 2.0 certified facility for in-factory DATA key injection**

ingenico
Mobile
solutions

Instruction Manual

When folded

≤85mm(width) X 75mm(height)

When opened

254 mm (width) X 75 mm (height)

RP170c Mobile Card Reader

This card reader supports both magnetic stripe as well as contactless transactions. The reader only work with select ROAM supported mobile devices. An additional layer of encryption is added to the reader to guarantee the card data is protected as it travels from the reader to the mobile device. Therefore, the readers cannot be used for any other merchant service and must be purchased from ROAM.

ROAM Data is not liable for any harm caused by the reader to your mobile device.

You agree that neither ROAM nor our vendors, suppliers or licensors are responsible for any damages resulting from: (a) anything done or not done by someone else; (b) providing or failing to provide Services, including, but not limited to, deficiencies or problems with a Device or network coverage (for example, dropped, blocked, interrupted calls/messages, etc.); (c) traffic or other accidents, or any health‑related claims relating to our Device or Services; (d) Data Content or information accessed while using our Device or Services; (e) an interruption or failure in accessing or attempting to access emergency services from a Device, including through 911, Enhanced 911 or otherwise; (f) interrupted, failed, or inaccurate location information services, (g) information or communication that is blocked by a spam filter, or (h) things beyond our control, including acts of God (for example, weather‑related phenomena, fire, earthquake, hurricane, etc.), riot, strike, war, terrorism or government orders or acts.

FCC Declaration of Conformance
This device complies with Part 15 of the FCC Rules.

Usage

(a) *Battery Status*
A Red LED is present next to the USB connector for battery status.
-*Battery full:* It should be Power LED(Red) is on all the time
-*Battery low:* It should be Power LED(Red) On and Off for 1s every 3s alternatively
-*Battery very low*: Red LED On and Off for 1s every 6s alternatively
-*Battery out of capacity*: Red LED Off (and Green LED Off)
-*Battery charging:* Red LED On and Off every 1sec alternatively

(b) Reader during Swipe/Tap
There are 4 LEDs on the top of the reader to indicate progress of the transaction. In addition, there is a buzzer inside the reader to prompt Swipe/Tap.
-*Reader ready*: It should be Power LED(Red) on the side of the reader will be On.
-*Reader waiting for card*: The reader will generate a beep prompting user to Swipe/Tap. One LED light on top of the reader will turn on (Only for Contactless).
-*Reader reading the card*: 2 LED lights turn On.
-*Card read successful*: 3 LED lights turn On.
-*Card Processing Error/Multiple Contactless Cards detected*: All lights are turned off to indicate that the contactless interface is not acceptable for this transaction.
-*Card Processing Error*: Only fourth LED light turns On indicating conditions for use of the contactless interface have not been satisfied (ex: As an added security measure, transaction amounts over a pre‑set threshold may require a card swipe or insert.).

Troubleshooting

a) No light is seen when the reader is inserted in the audio jack:
 • Make sure the application is running on the phone.
 • Make sure that the reader is charged before using.
 • Make sure the correct mobile application is running.
 • Make sure the reader is securely inserted in the audio jack.

b) Make sure your speaker phone is turned off before using the reader.
c) Make sure the magstripe/contactless card/device is facing the right direction when using.
d) Make sure the correct version of the mobile application is running.
e) You can reset the reader by pressing the reset button up the USB jack.

FCC warning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Need help?
http://www.roamdata.com
Customer Care: 1.888.589.5885 + Option 2
support@roamdata.com

ingenico
Mobile
solutions