

# Q30 POS Terminal Instruction Manual

## Contents Checklist

Please check the components after unpacking. If any one of them is missing, or if there is a page missing from the product manual, etc., please contact the dealer.

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## 1. Instructions

Q30 POS terminals that include a default communication module come standard with one Ethernet port and RS232, USB. However, if the default communication module is replaced with an optional communication module. You can choose these additional network capabilities, such as wifi, BT and Wireless module. In order to correct using, you should refer to following instructions.

### 1) Magnetic Stripe Card

Put magnetic stripe side of magnetic card towards device interior, swipe the card with a steady speed during through magnetic reader slot. (Support bi-directional swiping)

### 2) IC Card

Put IC card chip side upward, push-in IC card slot and to bottom.

### 3) Tap contactless card (optional).

Put the contactless card into the sensing area at the top of LCD

### 4) SAM/SIM Card

① Remove the SAM/SIM card cover (At the bottom of the terminal).

② Insert the SAM/SIM card to the corresponding card slot.

## 2. Installation and Usage Tips

1) Avoid putting the terminal in direct sunlight, high temperature, moist, or dusty environment.

2) Forbid non-professional to repair the terminal.

3) Before insert the card, please check internal and around of IC card slot. when you found some suspicious objects, must report to related administrator.

## 3. Password Entering Tips:

It is highly recommended to enter password as following ways:

1) Set up peep shields. Enter password with shield by the structures of cashier desk;

2) Place the POS terminal at an appropriate angle and make sure it is difficult to peer the password.  
For example, the POS was installed above the movable bracket.

3) In enter password perspective, avoid surrounding video surveillance;

4) Past text instructions to remind the customers to shelter with body or palm when enter password.

5) Merchants can also choose other ways to protect the customer input password.

## 4. Frequency band & transmitting power

The device supports 1/2/5.5/11/6/9/12/18/24/36/48/54 Mbps for WIFI 2.4GHz b/g and MCS0~MCS7 for WIFI n-20MHz of transmitting speed and operating frequency is 2412MHz~2462MHz with 11 channels. The device of RF carrier is DSSS (DBPSK / DQPSK / CCK) and OFDM (BPSK / QPSK / 16QAM / 64QAM)

Bluetooth, frequency: 2402-2480MHz, transmitting power: 9.0dBm  
WIFI, frequency: 2412-2462MHz, transmitting power: 15.5dBm

The CLRC663 is a highly integrated transceiver IC for contactless communication at 13.56MHz. This transceiver IC utilizes an outstanding modulation and demodulation concept completely integrated for different kinds of contactless communication methods and protocols at 13.56MHz.

The CLRC663 supports MIFARE1K, MIFARE4K, MIFARE Ultralight, MIFARE UltraLight C, MIFARE PLUS and MIFARE DESFire products. The CLRC663 supports contactless communication and uses the MIFARE higher transfer speeds of up to 848 kbit/s in both directions.

## 4. Icon shows



Do not throw away, need professional recycling.



Class II Equipment



For indoor use only



Energy Efficiency Marking



AC voltage



DC voltage

The MAINS plug is used as the disconnected device.

## FCC Regulations:

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.

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 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.

**FCC Caution:**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## Industry Canada statement

- ❶ This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
  - 1) this device may not cause interference, and
  - 2) this device must accept any interference, including interference that may cause undesired operation of the device.
- ❶ Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
  - 1) l'appareil ne doit pas produire de brouillage, et
  - 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- ❷ This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.
- ❷ Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.
- ❸ The County Code Selection feature is disabled for products marketed in the US/ Canada.
- ❸ La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

### **Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.