MANUAL

1) Function instructions

DLC-6820 close integration reader's basic function is to provide with the way of data transmission and back-end control system to transmit information between the labels card and it. DLC-6820 readers work frequency is the ISM bands (902 ~ 928 MHz), reading and writing with high speed, which can operate multiple labels, only to operate the label of proprietary applications system(through the issuance and mandate of proprietary systems), automatic hopping frequency literacy and strong anti-jamming capabilities, and other characteristics. DLC reader has the following main functions:

1, Read: not only can read the ID of the tags, also can read the data of designated label orage areas; not only can read the data of single label, and can read the data of multiple labels at the same time;

2, Write: can write data to designated label storage area;

3, LOCK function: set "LOCK" to the designated label storage areas, to prevent the data of the storage area being changed;

4, Enquiry for LOCK: enquire for the latched address of the storage area;

5, through standard interfaces connected with PC, to do communications and data exchange, providing SDK development kits for users to use in secondary development.

2) Hardware installation instructions

The principle to choose the installation location of DLC readers is: must ensure that vehicles in some speed passing the effective reading region of readers have enough time to read (at least 20 ms), and make control equipment have enough time for the operation of control gates across moves.

There are not any metal objects obscured between the antenna location and labels.

the distance of reader and antenna installation location as near as possible (for multi-channel fission readers, the longest distance for high-frequency cables is seven meters)

the distance between readers and control equipment (or PC) as near as possible, and use the shielded cable communications as requirements

3) Software using instructions

Reader demo procedure Manual
Preparation work before using

Before using the demonstration procedures, copy the information of products sets accompanying CD-ROM to the specified directory of user's computer.

Properly connect computer serial port and reader serial port.

Collect the power supply of reader, red light of the power supply shining said that the power supply is normal.
Running demo programs
In the directory of user specified, double-click "Reader_Demo.exe" file icon to run demo programs.

Before user's presentation, please correctly select the serial port and set baud rate, then click on "online", if the reader is working normally, the status bar of demonstration program will show devices are normal and communication is normal, can start the function presentation of the reader/writer.

Set work parameters of reader

In order to make the users use the presentation procedures conveniently, can through the working parameters setting function provided by demonstration program to adjust the working parameters of reader/writer.
When this series of readers leave factory, working parameters have been set up, users can directly use the readers to do feature presentation of reader/writer.

power settings: Reader RF power value setting, the power RMS is 0-150, the greater the value of power, the farther the effective communication distance between the reader and the tags. Power values can be adjusted appropriately according to demonstrate environmental characteristics and requirements.

hopping settings: the reader can work fixed the frequency or frequency-hopping. The fixed frequency is that the reader and tag communicate with a fixed-frequency, the user can select a frequency point from the drop-down list of the frequency; frequency hopping is the reader and labels communicate with a point sequence designed in advance. The user can choose reader/writer works with frequency hopping or fixed mode.

antenna settings: this series readers can be divided into single-channel and multi-channel based on different models, for multi-channel reader, can choose relevant work antenna according to the practical condition and function demonstration requirements of the external antenna of the reader.

Forward link rate: reader sent an bit rate ordering the data to the label, the user can choose 10 k bps or 40 k bps.

Backward link rate: label returns the reader the bit rate of response to the data, the backward link rate related with the forward link rate, the user can choose one time speed backward link rate or 4 times speed forward link rate. When a user set up work parameters, click on "setting parameters" button, making the work parameters set to take effect.

FCC NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS 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