

## Operation Description

The display & IC card reader module always works with other modules in the outdoor station. The module uses the STM32F051R8T6 as the microcontroller. The module gets the power supply from other module and can transfer the power supply to another module through interface1 and interface2. The module can also communicate with other modules through interface1 and interface2. The module can display information via the LCM, and support RFID proximity reader for IC card by using the MFRC522 chip. The module has a Wiegand output interface to connect to the rest of an electronic entry system. The module has a SPI flash to store the word library, card numbers and name list. The module has a USB interface to connect to the personal computer for professional to configurate. The module also has a software update interface and a reset button.

Power supply of the product is DC 5V. The modulation type is ASK and carrier frequency is 13.56MHz using PCB layout loop antenna.