



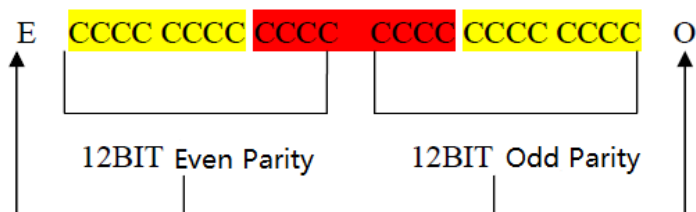
Controles de acceso Hikvision

Formato Wiegand

Formato Wiegand de control de acceso de Hikvision

1. Wiegand 26

1.1 Data format:



E/O: Even/Odd parity

C: Card ID Number

The above data is sent in order from left to right

The meaning of each data bit:

The 1st bit: the even parity bit of the output data 2-13 bits

Bits 2-9: the lower 8 bits of the HID code of the card

Bit 10-25: PID number of the card

The 26th bit: the odd parity bit of output data 14-25 bits

1.2 Card number generation rules

Wiegand26 in total 8 digits card number (Decimal)

Bits 2-9 correspond to the lower 8 digits of the card's HID code (converted to decimal, as the upper three digits of the 8-digit card number, and the length is insufficient to fill in zeros) + the 10-25 digits correspond to the PID number of the card (converted to decimal, as the lower 5 digits of the 8-digit card number, the length is not enough to fill in zeros)

For example:

0111 0100 0001 0000 0011 1101

Binary: 0111 0100

Decimal: 116

Binary: 0001 0000 0011 1101

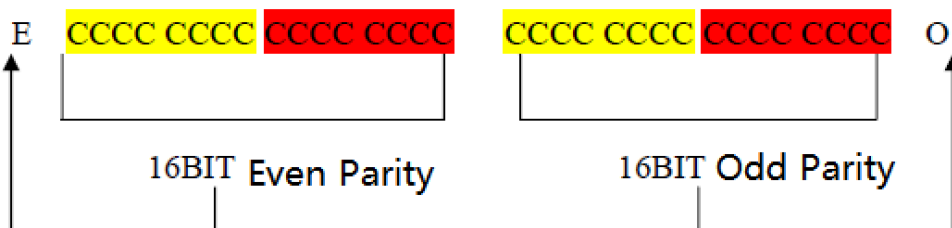
Decimal: 04157

Then we get the final 8 digit card number: 11604157

The supported maximum card number is 1111 1111 1111 1111 1111 1111, Decimal 25565535

2. Wiegand 34

2.1 Data format:



E/O: Even/Odd parity

C: Card ID Number

The above data is sent in order from left to right

The meaning of each data bit:

The 1st bit: the even parity bit of the output data 2-17 bits

Bits 2-17: the lower 8 bits of the HID code of the card

Bit 18-33: PID number of the card

The 34th bit: the odd parity bit of output data 18-33 bits

2.2 Card number generation rules

Take the 2-byte HID code(2-17 bit) as the high byte, and the 2-byte PID code as the low 2 bytes; after synthesizing 4 bytes, they will be uniformly converted into a decimal number (if less than 10 digits, the high digits will be filled with 0)

For example:

1100 0010 0111 0100 0001 0000 0011 1101

Binary: 1100 0010 0111 0100 0001 0000 0011 1101

Decimal: 3262386237

Then we get the final 10 digit card number: 3262386237

The supported maximum card number is 1111 1111 1111 1111 1111 1111 1111 1111, Decimal 4,294,967,295

3. Keypad format for Wiegand connection

When the digit key is pressed, four bits of data are transmitted every time the key is pressed, and finally ends with '#' to inform the host that the key input is completed.

Note: Please confirm your card reader (model with -K) and access control terminal or access controller support opening door with password through Wiegand reader connection.

KKKK

K: key value bit

Bits 1-4: the value of the key

Hexadecimal	button
0x01	1
0x02	2
0x03	3
0x04	4
0x05	5
0x06	6
0x07	7
0x08	8
0x09	9
0x0A	*
0x0B	#



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