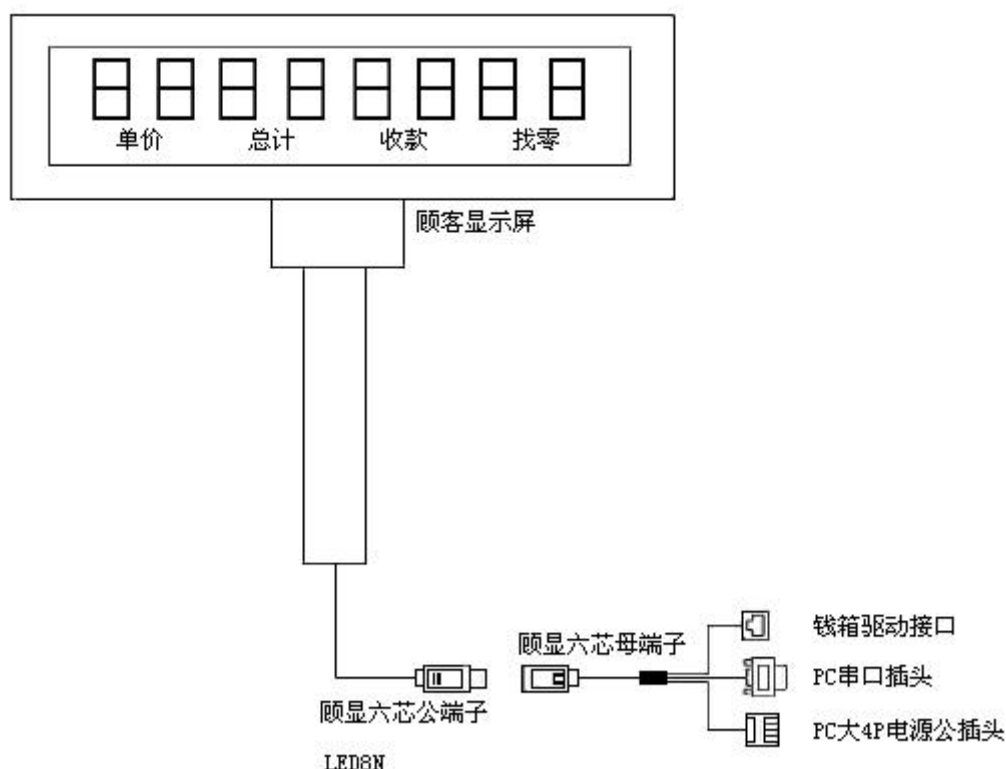


LED8N customer display manual



Specification:

I: Specification of hardware communication :

1. Communication port: COM
2. Baud rate: 2400 bit
3. Verify bit: None
4. Data bit: 8 bit
5. Stop bit: 1 bit

II: Use international command standard of ESC/POS. No matter under system of DOS or WINDOWS, only need to do according to the format of command to send the data to COM port, can display the content well.

III: No need handshaking signal.

Driver manual:

Under DOS no need to start any program. Under cursor tips to input data directly can test if the connection ok or not.

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C:>MODE COM1 2400,N,8,1
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C:>TYPE CON>COM1
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Now input digital numbers directly, press 'Enter' and will show the digital number at LED display. After testing finished, press 'Ctrl+C' back to DOS situation.

In Windows to run file of LED8NTest.EXE, according to the windows tips to select the

comment which is need to display , press ‘Send’ also can test if the customer display ok or not.

ESC/POS command list:

1. STX B n : baud rate setting command

ASCII code format: STX B n 0<=n<=5

Decimal format : [002][066]n 48<=n<=53

Hexadecimal format: [02H][42H]n 30H<=n<=35H

Description: to change the system baud rate (Lack of baud rate when power on/machine on: 2400bit/s). Normally this command no need to use/ change, only use this setting will be ok.

ASCII n	Decimal n	Hexadecimal n	Baud rate
0	48	30H	9600
1	49	31H	4800
2	50	32H	2400
3	51	33H	1200
4	52	34H	600
5	53	35H	300

2. STX M : open cash drawer command

ASCII code format: STX M

Decimal format: [002][077]

Hexadecimal format: [02H][4DH]

Description: to open the cash drawer by using customer display.

3. ESC @ : Initialization command

ASCII code format: ESC @

Decimal format: [027][064]

Hexadecimal format: [1BH][40H]

Description: back to the situation of power on & machine on.

4. CLR : Clear all characters commend

ASCII code format: CLR

Decimal format: [012]

Hexadecimal format: [0CH]

Description: to clear all the characters at customer display.

5. ESC Q A d1d2d3...dn CR : sending display data command

ASCII code format: ESC Q A d1d2d3...dn CR

Decimal format: [027][081][065]d1d2d3...dn[013] 48<=dn<=57 or dn=45 or dn=46

Hexadecimal format: [1BH][51H][41H]d1d2d3...dn[0DH]

30H<=dn<=39H or dn=2DH or dn=2EH

Description:

- a. When running this command, will recover type, which means the sending data will be full cover of the old data because under this way no need to run CAN to clear cursor command before sending the new data.

- b. When display $d_1 \dots d_n$ without any decimal point, $1 \leq n \leq 8$.
- c. When display $d_1 \dots d_n$ has decimal point, $1 \leq n \leq 15$ (8 digital number + 7 digital decimal).
- d. The comment which is showed can use 'CLR' or 'CAN' to clear.

6. ESC s n : setting the characters of “ price ” 、 “ total ” 、 “ collect ” 、 “ change ” to show at customer display.

ASCII code format: ESC s n $0 \leq n \leq 4$
Decimal format: [027][115] n $48 \leq n \leq 52$
Hexadecimal format: [1BH][73H] n $30H \leq n \leq 34H$
Description:

- (1) when $n=0$, all above characters: Dark.
- (2) when $n=1$, “ price ” light on, other three dark.
- (3) when $n=2$, “ total ” light on, other three dark.
- (4) when $n=3$, “ collect ” light on, other three dark.
- (5) when $n=4$, “ change ” light on, other three dark.

7. STX L d1 d2 d3 d4 : control the indicator light

ASCII code format: STX L d1 d2 d3 d4 $d=0, 1$
Decimal format: [002][076]d1 d2 d3 d4 $d=048, 049$
Hexadecimal format: [02H][4CH]d1 d2 d3 d4 $d=30H, 31H$

Description: to control the light on/ off for characters of “ price ” 、 “ total ” 、 “ collect ” 、 “ change ”

- (1) when $d_1=0$, “ price ” light off; $d_1=1$, on.
- (2) when $d_2=0$, “ total ” light off; $d_2=1$, on.
- (3) when $d_3=0$, “ collect ” light off; $d_3=1$, on.
- (4) when $d_4=0$, “ change ” light off; $d_4=1$, on.

8. CAN : clear cursor line command

ASCII code format: CAN
Decimal format: [024]
Hexadecimal format: [18H]

Description: clear the characters of cursor line (digital line) . The cursor move to the first place, no need to use, only use ' ESC Q A d1d2d3...dn CR ' .

9. ESC _ n : setting cursor situation command

ASCII code format: ESC _ n $0 \leq n \leq 1$
Decimal format: [027][095]n $48 \leq n \leq 49$
Hexadecimal format: [1BH][5FH]n $30H \leq n \leq 31H$
Description: no need to use this command.

- (1) when $n=0$, cursor: dark
- (2) when $n=1$, cursor: light on

10. ESC I x : move cursor situation command

ASCII code format: ESC I n 1<=n<=8

Decimal format: [027][108]n 49<=n<=56

Hexadecimal format: [1BH][6CH]n 31H<=n<=38H

Description: normally no need to use this command. To move the cursor to the place of number ' n '.