

LED8 bits customer display command

Instructions:

1. Using RS232 serial interface standard(Baud rate=2400,check bit=null,date bit=8,stop bit=1) .
2. Using the international ESC/POS standard general command set,no need aby driver.Regardless of the DOS or WINDOWS platform,Simply send data to the serial port in accordance with the format of the command set.No handshake signal.
3. Power supplied by host 5V.
4. Customer display can be adjusted up and down,back and forth

Test instruction:

1. In DOS no need to start any program,Direct input data to test whether the connection is intact.

C:\>MODE COM1 2400,N,8,1

C:\>TYPE CON>COM1

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At this moment directly enter the digital at the cursor,Press enter to display the number to the display.After success enter Ctrl+C to exit edit status,return back to DOS status.

2. This directive is suitable for the preparation of a variety of programming languages.Such as Delphi、 Visual FoxPro、 Visual Basic、 FoxPro2.6 for DOS、 Turbo C、 Power Builder etc.

ESC/POS command set:

1. STX B n baud rate setting

ACSII format: STX B n 0<=n<=5

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

30H<=n<=35

Hex:[02H][42H]n H

Note:Change the system baud rate (Power on the default baud rate:2400bit/s),normally do not use this command,use default setting is fine.

ASCII n	Decimal n	Hex 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 L d1 d2 d3 d4 Control display status light

ACSII format: STX L d1 d2 d3 d4 d=0、 1

Decimal Format: [002][076]d1 d2 d3 d4 d=048、 049

Hex format: [02H][4CH]d1 d2 d3 d4 d=30H、 31H

Noted:Control on/off for the state light

If d1=0,units price light on;d1=1,unit price light on

If d2=0,total light off,d1=1,total light on.

If d3=0,collection light off,d1=1,collection on.
 If d4=0,charge light off,d1=1,charge light on.

2. CLR clear screen command

ASCII format: CLR

Decimal Format: [012]

Hex format:[0CH]instruction:Clear
 all characters on the screen

4. CAN Clear cursor line command

ASCII format: CAN

Decimal: [024]

Hex: [18H]

Noted: Clear the character on the cursor line (digital line) ,Move the cursor to the first position,Generally do not need to use, only the use ESC Q A d1d2d3...dn CR

5. ESC @Initialization command

ASCII format: ESC @

Decimal: [027][064]

Hex: [1BH][40H]

Note: restore to the state when the power on.

6. ESC Q A d1d2d3...dn CR Send display data command

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

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

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

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

Note:

- When you execute the command, you send the data you want to display in the overlay mode ,so no need to execute CAN to clear cursor each time before sending data.
- When the d1...dn without decimal point 1<=n<=8.
- When the d1...dn with decimal point 1<=n<=15 (8 bits numbers+7 bits decimal points).
- The content can be cleared by CLR or CAN.

7. ESC _ n set cursor status

ASCII format: ESC _ n 0<=n<=1

Decimal Format: [027][095]n 48<=n<=49

Hex: [1BH][5FH]n 30H<=n<=31H

Note: Normally no need to use this command

(1)when n=0 ,cursor off

(2)when n=1 ,cursor on

x command for moving

8. ESC I cursor status

ASCII format: ESC I n 1<=n<=8
Decimal: [027][108]n 49<=n<=56
Hex: [1BH][6CH]n 31H<=n<=38H

Note: Normally no need to use this command, move the cursor to n location.

9. ESC s n set "unit price"、"total amount"、"collection"、"change" character display status command

ASCII format: ESC s n 0<=n<=4
Decimal: [027][115] n 48<=n<=52
Hex: [1BH][73H] n 30H<=n<=34H

Noted:

- (1) when n=0, four characters all dark.
- (2) When n=1, "unit price" character on, other three off.
- (3) When n=2, "total" character on, other three off.
- (4) When n=3, "collection" character on, other three off.
- (5) When n=4, "Change" character on, other three off.