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Digole SOLUTIONS

Serial Display emulator   *New* Display User manual

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--Digole V7 Displays, JPEG & File modules embedded --

Home : **Digole Serial Display** : **Color IPS TFT** : **2.4"** :

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2.4" Serial: UART/I2C/SPI True Color 320x240 IPS Display DS320240CIPS-61(CN)

Price: US $16.99

Ship from:*Shanghai China*

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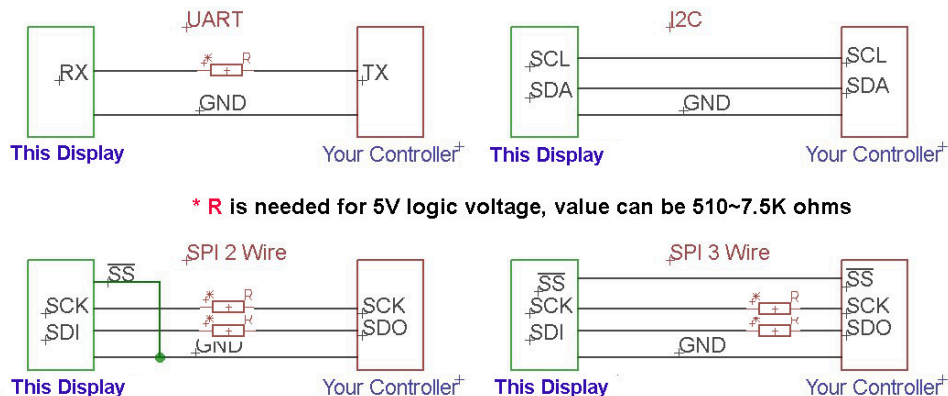| All prices are in US $		
QTY	Unit Price	Ext Price
1	16.990	16.99
10	16.650	166.50
50	16.310	815.50
250	15.800	3,950.00

Description | Feedback

◣ **Description** ◥

Use Digole, Make Things Simple!

Specification:

- Power Supply: 3.0V to 7.0V
- Power consumption: 0.5mA to 135mA (at 5V when backlight full on)
- Communication mode: UART/I2C/SPI, detect your setting automatically
- Receiving buffer: 2048 bytes
- Work with all microcontroller and microprocessor
- Communication signal can work on 3.3V and 5.0V TTL
- Default setting: UART baud 9600bps, I2C 0x27 address
- UART baud (bps): 300, 1200, 2400, 4800, 9600, 14400, 19200, 28800, 38400, 57600, 115200, 230400, 460800.
- View Area: 36.8x49.0mm

- Pixels: 320xRGBx240, 262K colors
- Screen size: 43x49mm
- Product size: (WxHxD):43x70x5.6mm (1.7X2.76x0.21")
- Simple command sets, easy to remember
- Simple graphic engine integrated
- 7 preloaded fonts, font's data structure full compatible with U8Glib
- Commands Backward compatible with mono Digole serial display, replace other Digole serial display seamless.
- Special commands to set color and draw color image, you can display 256 color image with 262K true color image on same screen.

Design the interface on this display by using Digole's online emulator in few minutes(https://www.digole.com/digole-emu.php)

UART

RX ── *＊+□R── TX
GND

This Display   **Your Controller⁺**

I2C

SCL ────── SCL
SDA ────── SDA
GND

This Display   **Your Controller⁺**

* R is needed for 5V logic voltage, value can be 510~7.5K ohms

SPI 2 Wire

SS
SCK ── *＊+□R── SCK
SDI ── *＊+□R── SDO
GND

This Display   **Your Controller⁺**

SPI 3 Wire

SS ────── SS
SCK ── *＊+□R── SCK
SDI ── *＊+□R── SDO
GND

This Display   **Your Controller⁺**

HIGHLIGHT FUTURE:

- Works with 2.7V/3.3V/5.0V logic systems, 4bit/8bit/16bit/32bit micro-controllers. it EVEN works stand-alone.

- Support serial (Hardware or Software): UART, I2C and SPI, set by the jumpers on PCB, support all four SPI mo.

- 7 fonts and graphic engine embedded, touch screen and flash chip drivers embedded(if touch screen or 2 to 16MB flash chip installed), custom fonts can be downloaded to the module's flash.

- Firmware upgrade-able and custom-able: Visit Digole's firmware upgrade page.

- High level commands set (61 commands total) are easy to remember and understand, eg.: send 5 bytes: "CCabc" will draw a ratio=c pixels circle at coordinate (a,b) on the screen; 5 bytes "DNALL" will put the module to sleep mode(<0.1mA), and more...

- Online forum and technical support: Visit the Forum of Digole Serial Dispaly Module

- Video clips on youtube.

- Program manual, sample code and library for multiple platform.

- Multiple online tools to make custom fonts, convert images and more, accelerate product development.

Here is the brief of functions of command that applied on this module:

Text		
🔌 Display **A**bcd	🔌 Change font ᴀAₐAA	🔌 Set text position A A