

uLCD-70DT-Pi

7.0" TFT LCD for Raspberry Pi w/
Adaptor Shield + Cable

US\$ **185.00**

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OVERVIEW

7.0" TFT LCD Intelligent Display Module Pack for the Raspberry Pi A, B and B+

This 4D Systems Display Module Pack for the Arduino (and variants) is made up of a uLCD-70DT 7.0" TFT LCD Display Module with Resistive Touch, a 4D Serial Pi Adaptor and a 5 way interface cable, for quick and easy connection to a Raspberry Pi.

This Display Module Pack enables an Arduino user to quickly connect the 4D Serial Pi Adaptor to their Raspberry Pi, connect the 5 way cable between the Adaptor and the Display Module, and be connected in seconds to start programming their new 4D Systems Display.

The uLCD-70DT can be configured in a number of ways using the 4D Systems Workshop4 IDE. There are 4 programming Environments to choose from, to enable the widest range of options possible and to suit a wide range of Users and projects alike.

The uLCD-70DT-Pi has a comprehensive VISI-Genie library written to communicate with the Raspberry Pi, allowing the VISI-Genie events to be easily understood by the Raspberry Pi and users code.

Utilises the Raspberry Pi's UART Serial Port.

For a detailed listing of the capabilities of the display module in this Raspberry Pi Pack, please refer to the datasheet for the display itself, available from the Product Page of the [uLCD-70DT](#).

- 7.0" 800x480 Resolution TFT LCD Display Module
- DIABLO16 Processor
- Integrated Resistive Touch
- Easily interface to your Raspberry Pi
- Powerful Graphics

Note:

Please note that the uLCD-70DT-Pi is not designed to be the primary display for the Raspberry Pi and is programmed using 4D Systems' Workshop 4 IDE

For support relating to the Raspberry Pi, please refer to the [Raspberry Pi Forum](#)

FEATURES

For more information about each component included in this package, please check out the individual items by clicking on their links below, which will take you to their Product Pages, where further information and documentation is available.



[uLCD-70DT Display Module](#)



[4D Serial Pi Adaptor](#)

SOFTWARE

Introducing 4D Systems' All New Workshop4 IDE

Supports multiple development environments, to cater for different user requirements and skill level.



Workshop4 is a comprehensive software IDE for Microsoft Windows that provides an integrated software development platform for all of the 4D family of processors and modules. The IDE combines the Editor, Compiler, Linker and Downloader to develop complete 4DGL application code. All user application code is developed within the Workshop4 IDE.

Workshop4 includes four development environments, for the user to choose based on application requirements or even user skill level.



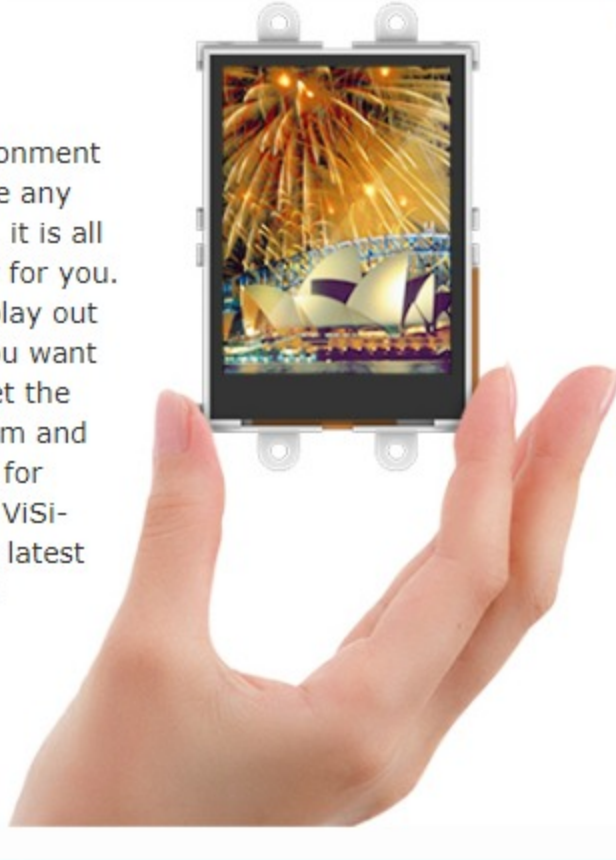
Designer

This environment enables the user to write 4DGL code in its natural form to program the display module.



VISI - Genie

An advanced environment that doesn't require any 4DGL coding at all, it is all done automatically for you. Simply lay the display out with the objects you want (similar to VISI), set the events to drive them and the code is written for you automatically. VISI-Genie provides the latest rapid development experience from 4D Systems.



VISI



This environment is also provided to transform the display module into a slave serial display module, allowing the user to control the display from any host microcontroller or device with a serial port.

Serial



This environment is also provided to transform the display module into a slave serial display module, allowing the user to control the display from any host microcontroller or device with a serial port.

DOWNLOADS

uLCD-70DT-Pi Documentation

[uLCD-70DT-Pi Datasheet](#)
Rev. 1.0 | 381.13 KB

Software Tools

[4D Workshop4 IDE](#)
Product Page

Libraries for use with uLCD-70DT-Pi

[Raspberry Pi VISI-Genie library](#)
Github Repository

[C_Serial Library](#)
Github Repository

Demo Applications:

- [Kitchen Timer](#)
- [Calculator](#)
- [Weather Station](#)
- [Sliders and Gauges](#)
- [Single Slider](#)
- [Monitor](#)

PmmC/Firmware and Driver

[DIABLO16_PmmC](#)
Rev. 20 | 240.02 KB

[DIABLO16_PmmC_Notes](#)
Rev. 20 | 7.50 KB

[7.0" Display Driver](#)
7th March 2014

Related Documents

[Development Environment](#)
[Related Documentation](#)

[Application Notes](#)

BUY NOW

uLCD-70DT-Pi (Display Module)

This item includes the following:

- uLCD-70DT Display Module
- 4D Serial Pi Adaptor
- 150mm 5 way Female-Female jumper cable, for quick connection to another device or breadboard
- 5 way Male-Male adaptor (for converting the Female-Female cable to be Male-Female)
- Quick Start User Guide



US\$ **185.00**

[ADD TO CART](#)

In stock
uLCD-70DT-Pi (Display Module)

SK-70DT-Pi (Starter Kit)

This item includes the following:

- uLCD-70DT Display Module
- 4D Serial Pi Adaptor
- 4GB microSD Card
- uUSB-PA5 Programming Adaptor
- 150mm 5 way Female-Female jumper cable, for quick connection to another device or breadboard
- 5 way Male-Male adaptor (for converting the Female-Female cable to be Male-Female)
- Quick Start User Guide



US\$ **205.00**

[ADD TO CART](#)

In stock
SK-70DT-Pi (Starter Kit)

4D Systems highly recommends all first time buyers of 4D displays, to purchase the Starter Kit when purchasing their first 4D Systems display solution.

The Starter Kit provides all the hardware that is required to get the user up and running.

Not all development environments and features will be needed by every user, however by purchasing the solution in a Starter Kit, it ensures that if you want to take full advantage of the 4D Systems display solution and try out each of the 4D Workshop4 Environments, upgrade PmmC/firmware, you can.

The Designer environment can utilise every feature of the display, however depending on the user requirements, a micro-SD (µSD) card may not be required. The µSD card is used when displaying images/video/sound, along with datalogging to µSD, and a programming cable is definitely required for downloading compiled code and PmmC/Firmware updates.

The VISI environment is the same as Designer in terms of feature utilisation, but is image based so requires a µSD card, along with a programming cable.

The VISI-Genie environment is also image based, and therefore requires a µSD card and programming cable also.

The Serial environment does not require either a µSD or Programming cable to be used, however can utilise both depending on the user requirements. The µSD card can be used for such things as storage of multimedia files and datalogging, and the Programming cable for PmmC/Firmware updates, or changing to one of the other three programming environments.

RELATED ITEMS



4D-Arduino-Adaptor-Shield-II
Easily connect 4D Display Modules to the Arduino



Programming Cable
USB to Serial UART Bridge Converter Cable



Workshop4 IDE
Latest Workshop software from 4D Systems (FREE)



DIABLO16
Embedded Graphics Controller



uUSB-PA5
microUSB Programming Adaptor



uLCD-35DT
3.5" Diablo16 Intelligent Display Module

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