



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## uLCD-32PTU (Display Module)

**This item includes the following:**

- uLCD-32PTU Display Module
- 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



**uLCD-32PTU**

## SK-32PTU (Starter Kit)

**This item includes the following:**

- uLCD-32PTU Display Module
- 2GB 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



**In stock**  
**SK-32PTU**

*4D Systems highly recommends all first time buyers of 4D Systems' 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 display 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 ( $\mu$ SD) card may not be required. The  $\mu$ SD card is used when displaying images/video/sound, along with datalogging to  $\mu$ SD, 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  $\mu$ SD card, along with a programming cable.*

*The ViSi-Genie environment is also image based, and therefore requires a  $\mu$ SD card and programming cable also.*

*The Serial environment does not require either a  $\mu$ SD or Programming cable to be used, however can utilise both depending on the user requirements. The  $\mu$ SD 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.*