

UART

Product Overview

Integrating a TFT display into a product will usually mean investing time and money to justify (and fully exploit) the powerful microprocessor required to drive it.

These intelligent UART displays however, offer a nearly complete plug-and-play solution, offering a quicker time getting product to market.

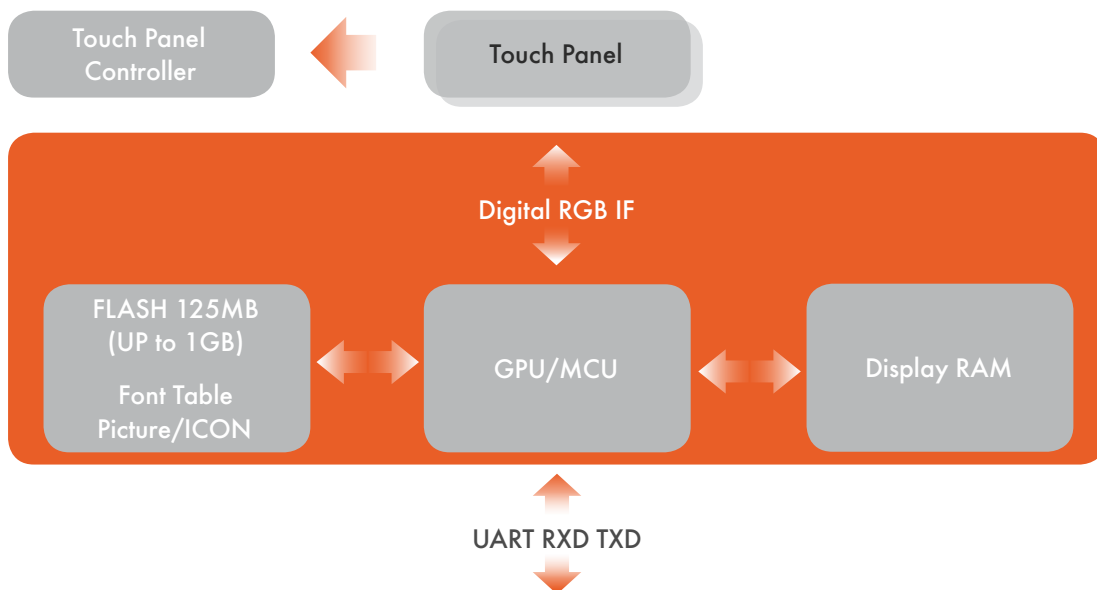
The UART display kits, utilise on-board processing and memory (128 MB) to store and recall fonts & images, as well as execute Basic Character/Draw functions. Commands can be sent from a low power micro; to drive up to a 10.4" - 16 bit, SVGA Display, (65,000 Colour)*



On-board Block Diagram

Data is exchanged between the UART system, (UART, RS232, USB) and your microcontroller - enabling real time interaction and animations in high resolution on a TFT from a few simple lines of code.

The large amounts of data that usually need to be transferred from the host system each time a TFT display updates are held on-board, dramatically reducing the strain on the CPU workload and time spent developing code.



Upload images from our Windows based software

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Manipulate specific parts of the screen by overlaying text images and even create scrolling effects by shifting regions of the display. Very quickly you will get an idea for how your designs will look on the display and how you might trigger them with simple command line instructions.

Our software allows you to test the various functions of the UART display, as well as monitor touch feedback**

You can be up and running with an attractive GUI in a short amount of time, assessing and testing functionality and implementing revisions quickly.

Wide operating Voltage 4.6VDC to 26VDC. (2.7 W) Contrast Ratio 400:1 Brightness 400 mcd (LED Backlight)

* Higher colour available on smaller displays

** Resistive touch options available

UART Kits

Ship with everything you need to get up and running; Interconnect Cables, Power Supply, USB Data Key (Device Drivers Windows Software, Source Code, Application Notes)

Kit Part	Size	Resolution	Touch	USB	RS232	Display Part Number
IES-UART-5.7VGA-V1.	5.7"	648x480	✓	✓	✓	AM648480G2TNQW-TU0H
IES-UART-7WVGA-V1.	7"	800x480	✓	✓	✓	AM800480R2TMRW-TU0H
IES-UART-10.4SVGA-V1.	10.4"	800x600	✓	✓	✓	AM800600K7TMQW-TU0H

Other UART Displays are available from IES

Display Part Number	Size	Resolution	Touch
AM-320240L4TMQW-U0H	3.5"	320x240	X
AM-320240L4TMQW-TU0H-A	3.5"	320x240	✓
AM-480272H3TMQW-U0H	4.3"	480x272	X
AM-480272H3TMQW-TU0H	4.3"	480x272	X
AM-480272H3TMQW-TU5H	4.3"	480x272	✓
AM-640480G2TNQW-U0H	5.7"	640x480	X
AM-640480G2TNQW-TU0H-A	5.7"	640x480	✓
AM-800480R2TMQW-U0H	7"	800x480	X
AM-800480R2TMQW-TU0H	7"	800x480	✓
AM-800600C4TMQW-U0H	8"	800x600	X
AM-800600C4TMQW-TU0H	8"	800x600	✓
AM-800600LTNQW-TU0H	10.4"	800x600	✓
AM-800600LTNQW-U0H	10.4"	800x600	X

ARDUINO UART SHIELD

Part Number: IES-SHIELD-UART

Ships with connecting cables & sample code enabling you to drive any UART display from the popular Arduino platform.

For further information please contact IES

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

