

UTFT

Multi-Platform Universal TFT display library

Supported display modules
& TFT Controllers



IMPORTANT:

Please note that any attempt to use this library with display modules that are not on this list is done at your own risk. Using this library with display modules not on this list may work just fine, but there is also a tiny, tiny risk that it may damage your display module and/or development board. **Consider yourself warned.**

Do not ask me if a display module that is not on this list will work with the library. As I have not tested it I simply do not know. You will just have to try for yourself (at your own risk).

If your **exact** display module/shield is not on this list, or you have bought it from another vendor than the one listed as the supplier, you will have to direct any questions to your vendor. I cannot answer them.

There is also no point in sending me code that will make display modules/shields not on this list work with the library. I only add support for new display modules and shields at the request from vendors and manufacturers.

These display modules have been tested, and works with the UTFT library. Please note that vendors/manufacturers *may* have changed the display modules since I got my test module so there are no guarantees. It should also be noted that not all displays have been tested on all development boards. Compatibility with development boards is tested with a random selection of displays. Other modules *may* work as long as they have one of the supported controllers (see the section marked **important** above).

The displays marked as shields below have only been tested on platforms where they plug directly in (i.e. on standard "Arduino" form factor development boards.)

Supplier: ITead Studio					
Website: http://imall.iteadstudio.com/					
Module	Model for UTFT()	Controller	Notes	Module	Shield
ITDB02-1.8SP	ITDB18SP	ST7735		✓	
ITDB02-2.2	ITDB22	HX8340-B(T)		✓	
ITDB02-2.4E	ITDB24E_8	S6D1121	8bit mode	✓	
ITDB02-2.4E	ITDB24E_16	S6D1121	16bit mode	✓	
ITDB02-2.8	ITDB28	ILI9325D	8bit version only	✓	
ITDB02-3.2S	ITDB32S	SSD1289		✓	
ITDB02-3.2WD	ITDB32WD	HX8352-A		✓	
ITDB02-4.3	ITDB43	SSD1963		✓	
ITDB02-5.0	ITDB50	SSD1963		✓	
ITDB02-2.2SP	ITDB22SP	HX8340-B(N)	Retired	✓	
ITDB02-2.4	ITDB24	ILI9325C	Retired	✓	
ITDB02-2.4D	ITDB24D	ILI9325D	Retired	✓	
ITDB02-2.4DWOT	ITDB24DWOT	ILI9325D	Retired	✓	
ITDB02-2.5H	ITDB25H	S1D19122	Retired	✓	
ITDB02-3.2	ITDB32	HX8347-A	Retired	✓	
ITDB02-3.2WC	ITDB32WC	ILI9327	Retired	✓	

Supplier: ElecFreaks					
Website: http://www.elecfrakes.com/store/					
Module	Model for UTFT()	Controller	Notes	Module	Shield
TFT01-1.8SP	TFT01_18SP	ST7735S	May require ext. power	✓	
TFT1.8SP Shield	TFT18SHLD	ST7735			✓
TFT01-2.2	TFT01_22	S6D0164		✓	
TFT01-2.2SP	TFT01_22SP	ILI9341	May require ext. power	✓	
TFT2.2SP Shield	TFT22SHLD	ILI9341			✓
TFT01-2.4 v1.2	TFT01_24R2	S6D1121		✓	
TFT01-2.4SP	TFT01_24SP	ILI9341		✓	
TFT01-2.8	TFT01_28	ILI9325D		✓	
TFT01-3.2	TFT01_32	SSD1289		✓	
TFT01_3.2WD	TFT01_32WD	HX8352-A		✓	
TFT01-4.3	TFT01_43	SSD1963		✓	
TFT01-5.0	TFT01_50	SSD1963		✓	
TFT01-7.0	TFT01_70	SSD1963		✓	
TFT01-2.4	TFT01_24_8	ILI9325D	8bit model, Retired	✓	
TFT01-2.4	TFT01_24_16	ILI9325D	16bit model, Retired	✓	
TFT01_3.2W	TFT01_32W	ILI9327	Retired	✓	

Supplier: NKC Electronics					
Website: http://store.nkcelectronics.com/					
Module	Model for UTFT()	Controller	Notes	Module	Shield
RGB LCD 65K color module	LPH9135	PCF8833			✓

Supplier:		Electronics Lee			
Website:		http://stores.ebay.com/electronics-lee			
Module	Model for UTFT()	Controller	Notes	Module	Shield
3.2" TFT LCD Arduino Shield - Revision A	ELEE32_REVA ¹	SSD1289	Uses 16bit latched mode ² Not supported on chipKit or Arduino Due		✓
3.2" TFT LCD Arduino Shield - Revision B	ELEE32_REVB	SSD1289	8bit mode ³ Not supported on chipKit or Arduino Due		✓

Supplier:		Coldtears Electronics			
Website:		http://stores.ebay.com/coldtears-electronics-store			
Module	Model for UTFT()	Controller	Notes	Module	Shield
2.2" TFT LCD Module	CTE22	S6D0164	Basic support only ⁴	✓	
2.8" TFT LCD Module	CTE28	ILI9325D	Basic support only ⁴	✓	
3.2" TFT LCD Module (R2)	CTE32_R2	ILI9341	Basic support only ⁴	✓	
3.2" HR TFT LCD Module	CTE32HR	ILI9481	Basic support only ⁴	✓	
3.2" Wide TFT LCD Module	CTE32W	HX8352-A	Basic support only ⁴	✓	
3.5" IPS TFT LCD Module	CTE35IPS	R61581	Basic support only ⁴	✓	
4.0" TFT LCD Module	CTE40	ILI9486	Basic support only ⁴	✓	
5.0" TFT LCD Module	CTE50	SSD1963	Basic support only ⁴	✓	
5.0" CPLD TFT LCD Module	CTE50CPLD	CPLD ⁵		✓	
7.0" TFT LCD Module	CTE70	SSD1963	Basic support only ⁴	✓	
7.0" CPLD TFT LCD Module	CTE70CPLD	CPLD ⁵		✓	
3.2" TFT LCD Module	CTE32	SSD1289	Retired	✓	

Supplier:		Watterott electronic			
Website:		http://www.watterott.com/			
Module	Model for UTFT()	Controller	Notes	Module	Shield
MI0283QT-9A	MI0283QT9	ILI9341	Only tested on Arduino Uno	✓	

Supplier:		ElecHouse			
Website:		http://www.elechouse.com/			
Module	Model for UTFT()	Controller	Notes	Module	Shield
5.0" TFT LCD Module	EHOUSE50	SSD1963		✓	
5.0" CPLD TFT LCD Module	EHOUSE50CPLD	CPLD ⁵		✓	
7.0" TFT LCD Module	EHOUSE70	SSD1963		✓	

Supplier:		DisplayModule			
Website:		http://www.displaymodule.com/			
Module	Model for UTFT()	Controller	Notes	Module	Shield
DM-TFT18-101	DMTFT18101	HX8353C		✓	
DM-TFT22-102	DMTFT22102	S6D0164		✓	
DM-TFT24-104	DMTFT24104	ILI9325D		✓	
DM-TFT28-103	DMTFT28103	ILI9325D		✓	
DM-TFT28-105	DMTFT28105	ILI9341	Incompatible with chipKit		✓

¹ Changed from INFINIT32

² Use `UTFT myGLCD(ELEE32_REVA,A1,A2,A0,A3,A5);` to initialize

³ Use `UTFT myGLCD(ELEE32_REVB,A1,A2,A0,99);` to initialize

⁴ UTFT does not make use of the on-board Font and Icon Flash chip.

⁵ CPLD modules are currently not compatible with chipKit.

If you are unsure which module you have you can try these model codes for the supported controllers instead:

Controller	Model for UTFT()	Supported mode		
		8bit	16bit	Serial
CPLD	CPLD		✓	
HX8340-B(T)	HX8340B_8	✓		
HX8352-A	HX8352A		✓	
HX8353-C	HX8353C	✓		
ILI9325D	ILI9325D_8	✓		
	ILI9325D_16		✓	
	ILI9325D_16ALT ⁶		✓	
ILI9341	ILI9341_S4P ⁷			✓
	ILI9341_S5P ⁸			✓
	ILI9341_16		✓	
ILI9481	ILI9481		✓	
ILI9486	ILI9486		✓	
PCF8833	PCF8833			✓
R61581	R61581		✓	
S6D0164	S6D0164	✓		
S6D1121	S6D1121_8	✓		
	S6D1121_16		✓	
SSD1289	SSD1289		✓	
	SSD1289_8	✓		
	SSD1289LATCHED ⁹		LATCHED	
SSD1963	SSD1963_480		✓	
	SSD1963_800		✓	
	SSD1963_800ALT ¹⁰		✓	
ST7735	ST7735			✓
	ST7735_ALT ¹¹			✓
ST7735S	ST7735S			✓

The following TFT controllers are used by display modules and shields that have been retired. They are still supported but support may be removed in future versions of the library. These controllers are disabled by default to save flash memory. To use them you must enable support for them in "memorysaver.h".

Controller	Model for UTFT()	Supported mode		
		8bit	16bit	Serial
HX8340-B(N)	HX8340B_S			✓
HX8347-A	HX8347A		✓	
ILI9325C	ILI9325C	✓		
ILI9327	ILI9327		✓	
S1D19122	S1D19122		✓	

⁶ Alternative initialization for some 2.8" display modules

⁷ Use this for 4 Pin serial modules

⁸ Use this for 5 Pin serial modules

⁹ Currently only supported on 5v Arduino board, and not on chipKit or Arduino Due

¹⁰ Alternative initialization for 7" displays

¹¹ Alternative initialization for the ElecFreaks TFT1.8SP Shield