

Out-of-the-box GUI Software (BSPs) available for STM32 display kits

STM32 Discovery and evaluation kits	Graphics accelerators					Display information		Graphics Software libraries with OoB Support								
	Chrom-ART	JPEG CODEC	Chrom-GRC	NeoChrom GPU	3D GPU	Display interface	Resolution	TouchGFX	GTK	QT	Crank Ametek	Embedded Wizard	LVGL	emWin	Atlia	Candera
Entry-level graphics																
NUCLEO-C071RB						SPI	320*240	✓								
NUCLEO-C092RC						SPI	320*240	✓								
NUCLEO-C5A3ZG						SPI	240*240	✓								
NUCLEO-C562RC						SPI	240*240	✓								
NUCLEO-G071RB						SPI	320*240	✓				✓	✓			
NUCLEO-H503RB						SPI	320*240	✓								
NUCLEO-H563ZI						SPI	320*480	✓								
NUCLEO-U083RC						SPI	320*240	✓								
NUCLEO-U385RG-Q						SPI	320*240	✓								
NUCLEO-U575ZI-Q						Parallel	320*240	✓								
NUCLEO-WB55RG						SPI	320*240	✓								
NUCLEO-WBA65RI						SPI	240*240	✓								



X-NUCLEO-GFX01M2
Display expansion board

Add graphic user interface (GUI) capability to STM32 Nucleo-64 boards.



1.54" STM32 Nucleo-64
display kit

Addon capacitive touch display compatible with list of STM32 Nucleo-64/144 kits.



1.3" round smart module knob
display

Plug-and-play circular display with rotary switch based on STM32C5 and STM32C0 microcontrollers.



3.5" STM32 Nucleo-144
display kit

Addon capacitive touch display compatible with list of STM32 Nucleo-144 kits.

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Mid-level graphics																
STM32F429I-DK	✓					Parallel	320*240	✓			✓	✓		✓	✓	
STM32F429I-EVAL	✓					Parallel RGB	480*272	✓			✓	✓		✓		
STM32F469I-DK	✓					MIPI-DSI	800*480	✓		✓	✓	✓		✓		
STM32F412G-DK						Parallel	240*240	✓				✓		✓		
STM32F746G-DK	✓					Parallel RGB	480*272	✓			✓	✓		✓		
STM32F769I-DK	✓	✓				MIPI-DSI	800*480	✓		✓	✓	✓		✓	✓	
STM32F769I-EVAL	✓	✓				MIPI-DSI	800*480	✓			✓	✓		✓		
STM32H573I-DK						Parallel	240*240	✓								
STM32H5F5J-DK	Chrom-ART2					RGB	480*272	✓								
STM32H735G-DK	✓					Parallel RGB	480*272	✓			✓			✓		
STM32H750B-DK	✓	✓				Parallel RGB	480*272	✓		✓	✓	✓				
STM32H7B3I-DK	✓	✓	✓			Parallel RGB	480*272	✓			✓	✓	✓		✓	✓
STM32H745I-DK	✓	✓				Parallel RGB	480*272	✓			✓	✓		✓		
STM32L496G-DK	✓					Parallel	240*240	✓			✓	✓		✓		
STM32L4R9I-DK	✓		✓			MIPI-DSI	390*390	✓		✓	✓	✓				
STM32U5A9J-DK	✓		✓	✓		MIPI-DSI	Ø 480	✓			✓	✓				
STM32U5G9J-DK2	✓	✓	✓	✓		Parallel RGB	800*480	✓		✓			✓			





DRAGONEYE-U5 with 2.1 inch Capacitive Touch Display

Pre-developed hardware and software development platform powered by STM32U5.





TSD Gen5 smart displays

Touch panel HMI module powered by STM32HR7.





SIMx21 Standard HMI

Power-efficient solution for embedded HMI display screens, powered by STM32H7.





Smart Display solution

Standard display modules and UI objects to get customers project off the ground quickly powered by STM32F7.





3.5 inch STM32 Nucleo-144 display kit

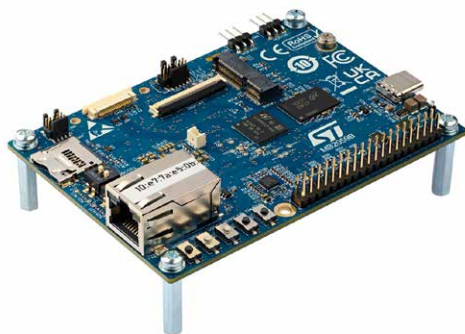
Addon capacitive touch display compatible with list of STM32 Nucleo-144 kits.

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High-end graphics																	
STM32H743I-EVAL	✓	✓				RGB-TFT	640*480	✓				✓		✓			
STM32H753I-EVAL	✓	✓				RGB-TFT	640*480				✓			✓			
STM32H7B3I-EVAL	✓	✓	✓			RGB-TFT	800*480	✓			✓						
STM32H757I-EVAL	✓	✓				MIPI-DSI	800*480				✓						
STM32H747I-DK	✓	✓				MIPI-DSI	800*480	✓		✓	✓	✓					
STM32H7S78-DK	✓	✓	✓	✓		RGB-TFT	800*480	✓					✓				
STM32V873J-DK*	✓	✓	✓			RGB	800*480	✓									
STM32N6570-DK	✓	✓	✓	✓		RGB-TFT	800*480	✓									
STM32MP135F-DK						RGB-TFT	480*272	✓	✓	✓	✓	✓	✓				
STM32MP157F-DK2					✓	MIPI-DSI	800*480		✓	✓	✓	✓			✓		✓
STM32MP157D-EV1					✓	MIPI-DSI	1280*720		✓	✓	✓	✓					
STM32MP157F-EV1					✓	MIPI-DSI	1280*720		✓	✓	✓	✓			✓		
STM32MP215F-DK						RGB 24-bit	1920x 1080		✓	✓	✓	✓	✓	✓	✓	✓	✓
STM32MP257F-EV1					✓	LVDS/HDMI MIPI-DSI	1920*1080 FHD		✓	✓	✓	✓	✓		✓		✓
STM32MP257F-DK					✓	LVDS/HDMI MIPI-DSI	1920*1080 FHD		✓	✓	✓	✓	✓		✓		✓

*available Q1 2027



RGB LCD Panel Display

Touch panel display compatible with STM32MP21 Discovery kit.



**B-LVDS7-WSVGA
7" touch panel**

LVDS TFT LCD module for STM32N6, STM32MP2 boards.