

AT32 LVGL Demo On SPI LCD

Introduction

This sample code demonstrates how to use AT32 MCU SPI peripherals to drive LCD.

Applicable products:

Product series	AT32F413xx
	AT32F415xx
	AT32F403Axx
	AT32F407xx

A list of major peripherals used:

Peripherals	SPI
	DMA
	USART

1 Quick start

1.1 Hardware resources

- 1) AT-START-F413 board
- 2) AT32-Video-Ev V1.x
- 3) 2.4"TFT_Lcd 240*320 RGB TOUCH (LCD drive IC is ILI9341)

1.2 Software resources

- SC0110_SourceCode

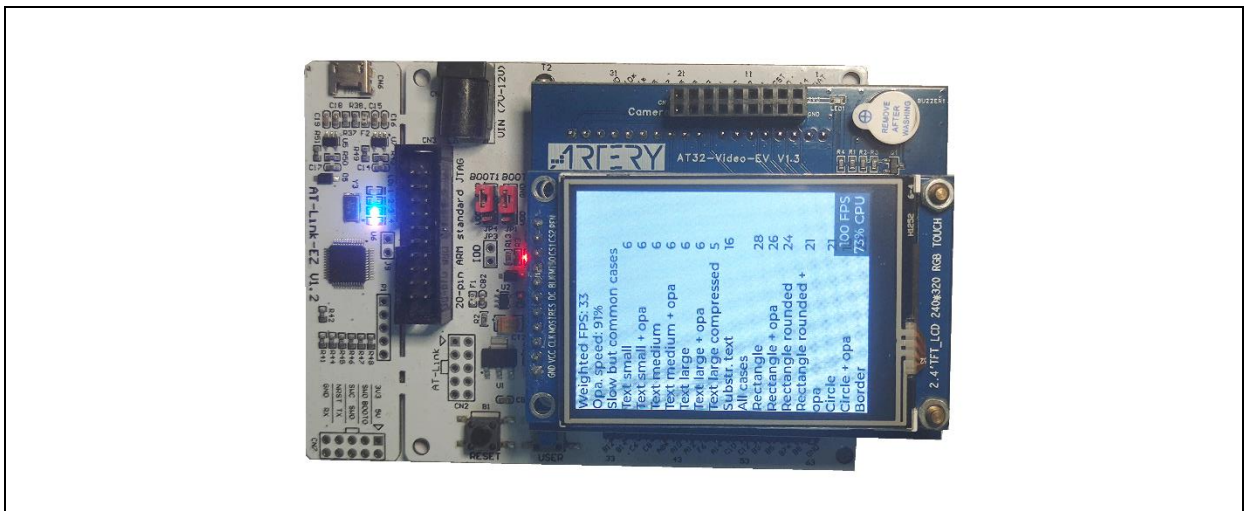
1.3 Example case

Open corresponding project under

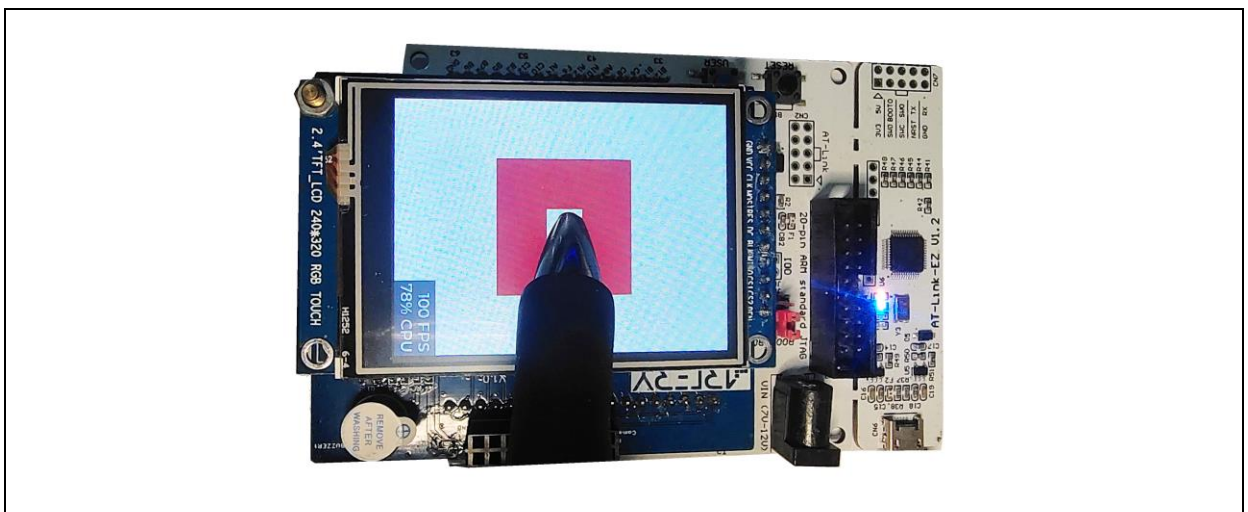
“SC0110_SourceCode_V2.0.x\project\at_start_f413\applications\lvgl_demo\mdk_v5”, compile and download it to the evaluation board.

1.4 Test result

LVGL bench mark test result:



LVGL touch test result:



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2023.03.02	2.0.0	Initial release

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