

AT32F437 LVGL Desktop Display Case

Introduction

This sample code demonstrates LVGL V8 desktop application case based on AT32F437 MCU.

Note: This sample code is written based on Artery's V2.x.x BSP. For other versions of BSP, users should pay attention to the differences in use.

Applicable products:

Product series	AT32F435xx
	AT32F437xx

List of major peripherals used:

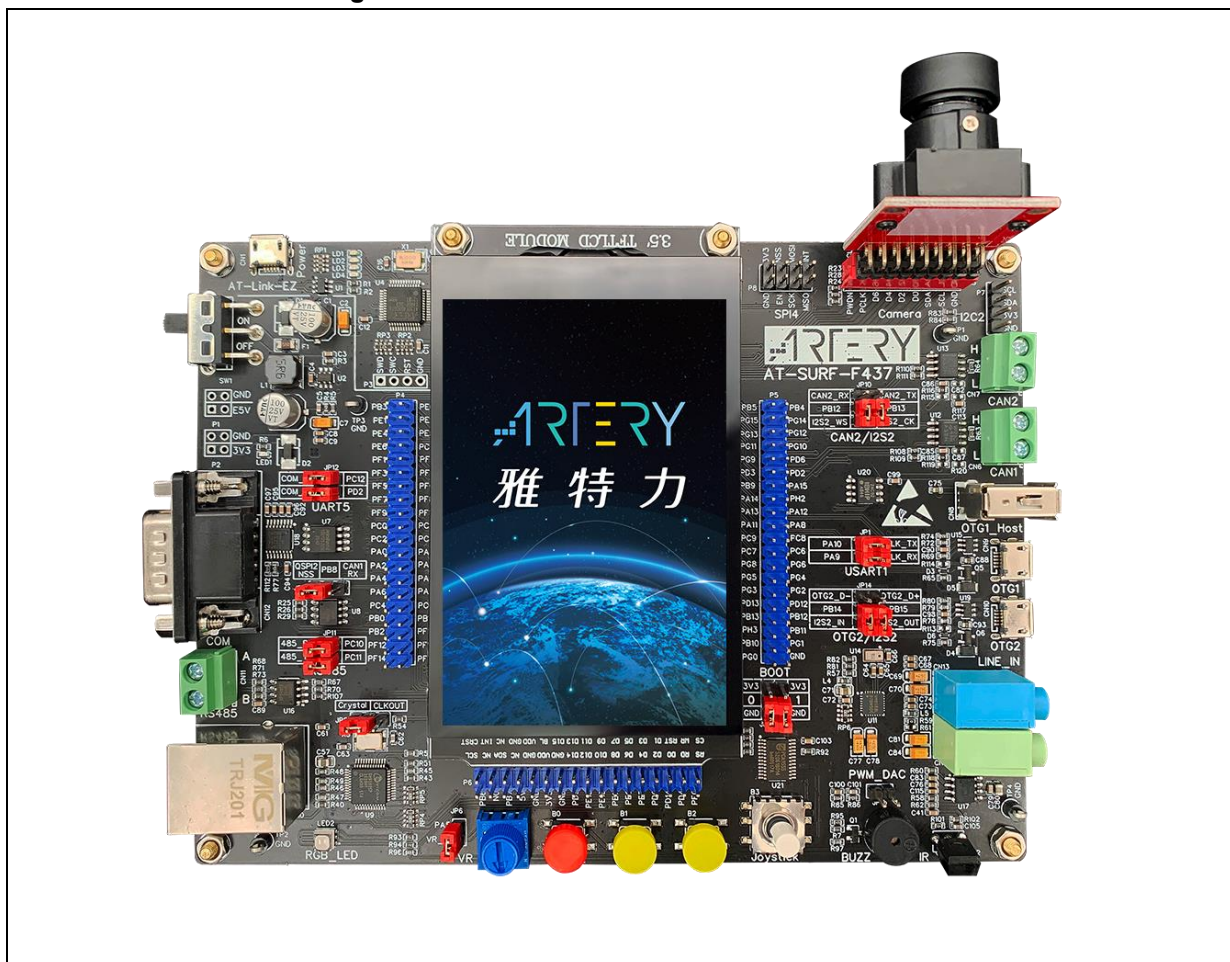
Peripherals	XMC
	DMA
	TMR
	GPIO

1 Quick start

1.1 Hardware resources

- 1) AT-SURF-F437 V1.0 evaluation board (use evaluation board corresponding to specific product series)

Figure 1. AT-START-F437 V1.0 evaluation board



1.2 Software resources

- 1) SourceCode
 - SC0098_SourceCode

Note: All of projects are built based on Keil 5. For the need to run them in other compiling environments, user can make simple adjustments according to AT32xxx_Firmware_Library_V2.x.x\project\at_start_xxx\templates.

1.3 Example case

- 1) Install 4.3' TFT LCD on the AT-SURF-F437 board
- 2) Open "lvgl_desktop_demo" under SC0098_SourceCode_V2.0.0\project\at_surf_f437\applications\lvgl_desktop_demo\mdk_v5, and compile it to the board
- 3) View test result of lvgl_desktop_demo
- 4) Video link: <https://b23.tv/AusUhPs>

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2022.08.26	2.0.0	Initial release

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