

GigaDevice Semiconductor Inc.

GD32F50x_Demo_Suites

Release Note

Revision 1.0.4

(Feb. 2026)

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1. Release content

1.1. Version overview

The main updates of GD32F50x_Demo_Suites_V1.0.4 are as follows:

1. Follow the firmware library update
2. Add USB_Host_MSC demo for GD32F503C_START_Demo_Suites, GD32F503K_START_Demo_Suites and GD32F503R_START_Demo_Suites.

1.2. Code & Documentation

- GD32F50x Standard Peripheral Firmware
- GD32F503V_EVAL Demo Suits
- GD32F503C_START Demo Suites
- GD32F503K_START Demo Suites
- GD32F503R_START Demo Suites
- GD32F503V Utilities
- GD32F503C Utilities
- GD32F503K Utilities
- GD32F503R Utilities
- GD32F503V-EVAL_User_Guide
- GD32F503V-EVAL-V1.1
- GD32F503C-START_User_Guide
- GD32F503C-START-V1.1
- GD32F503K-START_User_Guide
- GD32F503K-START-V1.1
- GD32F503R-START_User_Guide
- GD32F503R-START-V1.2

1.3. Reference Document

- GD32F50x_User_Manual

- GD32F50x_Datasheet

2. Version information

Table 2-1. Version Information

Name	GD32F50x_Demo_Suites.7z
Version	V1.0.4
Release date	2026.02.25
Applicable chip models	GD32F503xx
Supported evaluation boards	GD32F503V-EVAL-V1.1 GD32F503C- START -V1.1 GD32F503K- START -V1.1 GD32F503R-START-V1.2
Compilation environment	<ul style="list-style-type: none"> ■ IAR Embedded Workbench 8.32.1 ■ ARM Keil 5.29 ■ GD32EmbeddedBuilder_v1.5.5_Rel

3. Release version function description

For details, please refer to the GD32F503V-EVAL_User_Guide, GD32F503C-START_User_Guide, GD32F503V-START_User_Guide, and GD32F503V-START_User_Guide.

4. Release version change list

For more details, please refer to "change log.txt".

5. Release version quality report

Table 5-1. Release version quality report

Item	Report item	Description
1	MISRA report acquisition	Yes, the MISRA-C:2012 report can be obtained.
2	Number of MISRA deviations (Required rules)	0
3	Number of MISRA deviation explanations (Required rules)	0
4	Number of warnings in project compilation results (Keil5)	None
5	Number of warnings in project compilation results (IAR)	None
7	Number of warnings in project compilation results (GD32EmbeddedBuilder)	None

6. Release version notes

Table 6-1. Release version notes

Item	Module	Problem description	Solution/Workaround
1	-	<ol style="list-style-type: none"> 1. Boot mode selection and configuration 2. SRAM ECC configuration description 3. FLASH configuration description 4. RCU clock configuration limitation description 5. TIMER usage instructions 6. CMP usage instructions 7. PMU usage instructions 	See " AN270 GD32F50x Software Development Guide" for details.
2	-	<ol style="list-style-type: none"> 1. Hardware design: power supply, clock, startup configuration, typical peripheral modules, download debugging circuit, reference schematic design 2. PCB Layout design: voltage decoupling capacitors, clock circuit, reset circuit, USB circuit 3. Package description 	See "AN278 GD32F50x Hardware Development Guide" for details.

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