N9H20 emWin HMI Change Log

Document Information

Abstract	Introduce N9H20 emWin HMI change log.
Apply to	N9H20 series

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1 Introduction

This document describes the files meaning in BSP/ThirdParty/emWin/Doc folder and Nuvoton N9H20 emWin HMI library change log.

Note: "Official" means this document comes from SEGGER emWin.

File Name	Description
Changelog.pdf	Nuvoton N9H20 emWin HMI Change log
UM_Font_Architect_EN_Rev1.03.pdf	Nuvoton emWin HMI font tool
UM_Font_Architect_TC_Rev1.03.pdf	Nuvoton emWin HMI font tool
AN03002_Custom_Widget_Type.pdf	Official application note
Release.html	Official change history
UM03001_emWin.pdf	Official user manual

2 N9H20 emWin HMI Change History

This chapter introduces N9H20 emWin HMI change log in the Nuvoton N9H20 BSP.

2.1 Change Log

N9H20 emWin HMI version	Description
V6.10f.6	• Supported GB2312 font encoding. • GB2312 sample code can be founded on NuForum http://forum.nuvoton.com/viewtopic.php?f=31&t=9221&p=11392
V6.10f.4	• Supported bitmap font size greater than 255. • Updated FontArchitect from v1.02 to v1.03 to generate bitmap font size greater than 255.
V6.10f.2	• Nuvoton emWin HMI library comes from SEGGER emWin version V6.10f. • Supported RGB565 or RGB888 rotation. (Source or destination)
V5.48k.8	• Enabled "per-pixel alpha-blending" BitBlt feature to draw source format is ARGB8888 bitmap.
V5.48k.6	• Added H/W BitBlt. (draw bitmap) • GUI_DRAW_BMPM565 in 32-bit ARGB8888 frame buffer. (MSB is dummy byte) • GUI_DRAW_BMPM8888I bitmap in 32-bit ARGB8888 frame buffer (MSB is dummy byte). • GUI_DRAW_BMPM8888I bitmap in 16-bit RGB565 frame buffer.
V5.48k.4	• Added GCC version library "libNUemWin_ARM9_GCC.a".
V5.48k.2	• Nuvoton emWin HMI library comes from SEGGER emWin version V5.48k. • Updated definition GUI_NUM_LAYERS from 1 to 4. (SoftLayer)
V5.46h.2	• Initially created, Nuvoton emWin HMI library comes from SEGGER emWin version V5.46h. • Updated definition GUI_USE_ARGB from 0 to 1.

- Updated touch from INT to POLL mode.
- Added H/W JPEG. (decoder)
- Added H/W BitBlt. (Rotation, Scaling and Translation)
- Added H/W BitBlt. (alpha blending)

Revision History

Date	Revision	Description
2020.03.31	1.00	1. Initially issued.
2020.10.30	1.01	1. emWin library updated from v6.10f.2 to v6.10f.4. 2. Windows tool FontArchitect updated from v1.02 to v1.03.
2021.01.08	1.02	1. emWin library updated from v6.10f.4 to v6.10f.6. 2. Supported GB2312 font encoding.

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