

M032 Nuvoton emWin Change Log

Document Information

Abstract	Introduce Nuvoton emWin change log for the M032 series microcontroller (MCU).
Apply to	NuMicro® M032 series

The information described in this document is the exclusive intellectual property of Nuvoton Technology Corporation and shall not be reproduced without permission from Nuvoton.

Nuvoton is providing this document only for reference purposes of NuMicro microcontroller based system design. Nuvoton assumes no responsibility for errors or omissions.

All data and specifications are subject to change without notice.

For additional information or questions, please contact: Nuvoton Technology Corporation.

www.nuvoton.com

Table of Contents

1	INTRODUCTION	3
2	NUVOTON EMWIN LIBRARY CHANGE HISTORY	4
2.1	Change Log.....	4

1 Introduction

This document describes Nuvoton emWin library change history.

2 Nuvoton emWin Library Change History

This chapter introduces Nuvoton emWin change log in the M032 BSP.

2.1 Change Log

V5.48k.5	<ul style="list-style-type: none"> ● Support M032. ● emWin library update for Keil, IAR and GCC toolchain.
V5.48k.3	<ul style="list-style-type: none"> ● Add emWin library for IAR toolchain.
V5.48k.1	<ul style="list-style-type: none"> ● Nuvoton emWin library comes from SEGGER emWin version V5.48k. ● Add GCC version library "libNUemWin_CM0_GNU.a". ● Fix GUI_EnableAlpha() fail drawing text issue. ● Fix BmpCvtTool covert PNG to RGB565 format fail issue.
V5.48a.1	<ul style="list-style-type: none"> ● Nuvoton emWin library comes from SEGGER emWin version V5.48a. ● Fix GUI_AA_Circle() cut off edge issue. ● Fix PNG draw alpha fail issue. ● Fix TreeView and Text widget issue.
V5.46h.1	<ul style="list-style-type: none"> ● Nuvoton emWin library comes from SEGGER emWin version V5.46h. ● Update definition GUI_USE_ARGB from 0 to 1. ● Update touch from INT to POLL mode.

Revision History

Date	Revision	Description
2019.10.03	1.00	1. Initially issued.

Important Notice

Nuvoton Products are neither intended nor warranted for usage in systems or equipment, any malfunction or failure of which may cause loss of human life, bodily injury or severe property damage. Such applications are deemed, "Insecure Usage".

Insecure usage includes, but is not limited to: equipment for surgical implementation, atomic energy control instruments, airplane or spaceship instruments, the control or operation of dynamic, brake or safety systems designed for vehicular use, traffic signal instruments, all types of safety devices, and other applications intended to support or sustain life.

All Insecure Usage shall be made at customer's risk, and in the event that third parties lay claims to Nuvoton as a result of customer's Insecure Usage, customer shall indemnify the damages and liabilities thus incurred by Nuvoton.

*Please note that all data and specifications are subject to change without notice.
All the trademarks of products and companies mentioned in this datasheet belong to their respective owners.*