

N58 USB Driver Installation Guide

Issue 2.0 Date 2020-05-19



Copyright © Neoway Technology Co., Ltd 2020. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Neoway Technology Co., Ltd.

neowoy is the trademark of Neoway Technology Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

This document provides a guide for users to use N58.

This document is intended for system engineers (SEs), development engineers, and test engineers.

THIS GUIDE PROVIDES INSTRUCTIONS FOR CUSTOMERS TO DESIGN THEIR APPLICATIONS. PLEASE FOLLOW THE RULES AND PARAMETERS IN THIS GUIDE TO DESIGN AND COMMISSION. NEOWAY WILL NOT TAKE ANY RESPONSIBILITY OF BODILY HURT OR ASSET LOSS CAUSED BY IMPROPER OPERATIONS.

THE INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE DUE TO PRODUCT VERSION UPDATE OR OTHER REASONS.

EVERY EFFORT HAS BEEN MADE IN PREPARATION OF THIS DOCUMENT TO ENSURE ACCURACY OF THE CONTENTS, BUT ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS DOCUMENT DO NOT CONSTITUTE A WARRANTY OF ANY KIND, EXPRESS OR IMPLIED.

Neoway provides customers complete technical support. If you have any question, please contact your account manager or email to the following email addresses:

Sales@neoway.com

Support@neoway.com

Website: http://www.neoway.com

Contents

1 Overview	1
2 Disabling Driver Signature Enforcement	2
2.1 On Windows 7/8	. 2
2.2 On Windows 10	. 5
3 Installing USB Driver	9

About This Document

Scope

This document is applicable to the N58 series and describes the installation process of N58 drivers.

Audience

This document is intended for system engineers (SEs), development engineers, and test engineers.

Change History

Issue	Date	Change	Changed By
2.0	2020-02	Initial draft	Wu GuoQing

Conventions

Symbol	Indication
0	This warning symbol means danger. You are in a situation that could cause fatal device damage or even bodily damage.
	This caution symbol means the reader be careful. In this situation, you might perform an action that could result in module or product damages.
•	Means note or tips for readers to use the module

Related Documents

Neoway_N58_Datasheet

Neoway_N58_Product_Specifications



Neoway_N58_AT_Command_Mannual

Neoway_N58_EVK_User_Guide

1 Overview

N58 is an industrial-grade LTE Cat1 module that is developed on the UNISOC platform. It allows customers to debug and upgrade firmware and to capture logs through USB on Windows OS.

This document describes the process of installing N5 USB driver.

Preparation:

- N58 module (firmware version is later than N58-R02-STD_BZ-02D)
- USB cable
- USB driver program
- Computer running Window7/Windows8/Windows10 OS

2 Disabling Driver Signature Enforcement

Before installing N58 drivers on Windows OS, you need to disable driver signature enforcement so that the diver can be installed successfully.

This chapter describes how to disable driver signature enforcement on different Windows OS.

2.1 On Windows 7/8

On a computer running Windows 7/8, perform the following steps to disable driver signature enforcement:

Step 1: Press Window + R, input gpedit.msc in the Run dialog box and press Enter.

Local Group Policy Editor is opened.

📨 Run	
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	gpedit.msc
	OK Cancel <u>B</u> rowse

Step 2: In Local Group Policy Editor, choose User Configuration > Administrative Template > System > Driver Installation from the navigation tree in the left panel.





Step 3: In the Setting panel, double-click Code signing for device driver.

Extended Standard

Ctrl+Alt+Del Options
Driver Installation
Folder Redirection
Group Policy
Internet Communicatic
Locale Services
Locale

Performance Control P Power Management Removable Storage Acc

C

✓ ______3 setting(s)





Step 4: In the dialog box that is displayed, choose Warn from the When Windows detects a driver file without a digital signature: dropdown list and click OK.

When an unknown driver program is installed, Windows displays an alarm dialog box and users can decide if the driver should be installed or not.

🌉 Code signing for d	evice drivers			x
Code signing for	device drivers		Previous Setting	
 Not <u>C</u>onfigured <u>E</u>nabled <u>D</u>isabled 	Comment: Supported on:	Windows Serv	er 2003, Windows XP, and Windows 2000 operating systems only	4 4
Options:			Help:	
When Windows deter signature: Warn Ugnore Warn Block	ts a driver file wit	hout a digital	Determines how the system responds when a user tries to install device driver files that are not digitally signed. This setting establishes the least secure response permitted on the systems of users in the group. Users can use System in Control Panel to select a more secure setting, but when this setting is enabled, the system does not implement any setting less secure than the one the setting established. When you enable this setting, use the drop-down box to specify the desired response. "Ignore" directs the system to proceed with the installation even if it includes unsigned files. "Warn" notifies the user that files are not digitally signed and lets the user decide whether to stop or to proceed with the installation and whether to permit unsigned files to be installed. "Warm" is the default. "Block" directs the system to refuse to install unsigned files.	E
			OK Cancel Apply	



2.2 On Windows 10

On a computer running Windows 10, perform the following steps to disable driver signature enforcement:

Step 1: Press Windows+I to start Windows Settings.

Click Update & Security.



Step 2: Click Recovery in the left panel and then click Restart now in Advanced startup.

Alternatively, click **Start** menu, hold **Shift** and click **Power > Restart**.

l Home		Recovery
Find a setting	م	Reset this PC
Update & Security		If your PC isn't running well, resetting it might help. This lets you choose to keep your personal files or remove them, and then reinstalls Windows. Get started
Windows Defend	ler	
↑ Backup		Advanced startup
7 TroubleshootRecovery		Start up from a device or disc (such as a USB drive or DVD), change your PC's firmware settings, change Windows startup settings, or restore Windows from a system image. This will restart your PC. Restart now
 Activation 		
占 Find my device		More recovery options
🖁 For developers		Learn how to start fresh with a clean installation of Windows
茵 Windows Insider	Program	

Step 3: In the Choose an option screen, click Troubleshoot.



Step 4: Click Advanced options.



Step 5: Click Startup Settings.

e	Adva	anced option	S		
		System Restore Use a restore point recorded on your PC to restore Windows	C:\	Command Prompt Use the Command Prompt for advanced troubleshooting	
		System Image Recovery Recover Windows using a specific system image file	\$	Startup Settings Change Windows startup behavior	
	< \$ >	Automatic Repair Fix problems that keep Windows from loading			

Step 6: Click Restart.

neoway



Step 7: Press F7 or the number key 7.

The Windows OS is restarted and the driver signature enforcement is disabled successfully.

Press a numbe	r to choose from the options below:	
Use number keys o	functions keys F1-F9.	
1) Enable deb	ugging	
2) Enable boo	t logging	
3) Enable low-	resolution video	
4) Enable Safe	Mode	
5) Enable Safe	Mode with Networking	
6) Enable Safe	Mode with Command Prompt	
7) Disable driv	er signature enforcement	
8) Disable ear	y launch anti-malware protection	
9) Disable aut	omatic restart after failure	
,		
Press F10 for r	nore options	
Press Enter to	return to your operating system	

3 Installing USB Driver

This chapter uses Windows 7 as an example to describe how to install N58 USB drivers.

Step 1: Decompress the driver package and open the DriversForWin78 folder.

•			
Name	Date modified	Туре	Size
퉬 DriversForWin10	1/19/2020 5:45 PM	File folder	
DriversForWin78	1/19/2020 5:45 PM	File folder	
💷 DriverUninstall32	9/6/2019 2:09 PM	Application	1,644 KB
💷 DriverUninstall64	9/6/2019 2:09 PM	Application	2,246 KB

Step 2: Double-click DPInst64.exe.

Select the program corresponding to your OS. Select DPInst64 for 64-bit OS and DPInst32 for 32-bit OS.

Name	-	Date modified	Туре	Size	
🐌 Drivers		1/19/2020 5:45 PM	File folder		
📄 dpinst		1/19/2020 3:36 PM	XML Document	1 KB	
💐 DPInst32		5/13/2016 12:47 PM	Application	540 KB	
💐 DPInst64		5/13/2016 12:47 PM	Application	665 KB	

Step 3: In the installation wizard, click Next.

Device Driver Installation Wizar	rd
	Welcome to the Device Driver Installation Wizard! This wizard helps you install the software drivers that some computers devices need in order to work.
	< <u>B</u> ack <u>N</u> ext > Cancel

Step 4: In Windows displays the Windows Security dialog box, click Install this software anyway.

😵 Wi	ndows	Security
\bigotimes	Win	dows can't verify the publisher of this driver software
	·	
	>	Do <u>n</u> 't install this driver software You should check your manufacturer's website for updated driver software for your device.
	•	Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
\odot	See <u>d</u> ef	tails

The driver is installed successfully.

Device Driver Installation Wizard		
	Completing the Device Driver Installation Wizard The drivers were successfully installed on this computer. You can now connect your device to this computer. If your device came with instructions, please read them first.	
	Driver Name	Status
	 UNISOC Communication UNISOC Communication UNISOC Communication 	Ready to use Ready to use Ready to use
	< <u>B</u> ack	Finish Cancel