

## Windows 7 & 8.1 Driver Installation For Skywire<sup>®</sup> (mPCIe) Mini PCI Express Adapter Board

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# 1. Introduction

## **1.1. Applies to the Following Part Numbers**

Orderable Device	Description	Carrier	Network Type
NL-AB-MCPIE	Mini-PCI Express Adapter Board	Any	Any
NL-SW-1xRTT-A	2G 1xRTT	Aeris	CDMA
NL-SW-1xRTT-S	2G 1xRTT	Sprint	CDMA
NL-SW-1xRTT-V	2G 1xRTT	Verizon	CDMA
		Any GSM (AT&T,	
NL-SW-GPRS	2G GPRS	T-Mobile, etc.)	GSM
NL-SW-EVDO-A	3G EVDO, GPS, GLONASS	Aeris	CDMA
NL-SW-EVDO-V	3G EVDO, GPS, GLONASS	Verizon	CDMA
		Any GSM (AT&T,	
NL-SW-HSPAP	3G HSPA+	T-Mobile, etc.)	GSM
NL-SW-HSPAPE	3G HSPA+, European Version	Any EU GSM	GSM
		Any GSM (AT&T,	
NL-SW-HSPAPG	3G HSPA+, GPS, GLONASS	T-Mobile, etc.)	GSM
NL-SW-LTE-TSVG	LTE without Fallback, GPS, GLONASS	Verizon	CDMA
		Any GSM (AT&T,	
NL-SW-LTE-TNAG	LTE with HSPA+ Fallback, GPS, GLONASS	T-Mobile, etc.)	GSM
NL-SW-LTE-TEUG	LTE with HSPA+ Fallback, GPS, GLONASS, EU	Any EU GSM	GSM

## **1.2. Prerequisites**



This document assumes you have completed the initial setup of your modem and development kit. If you have not completed those steps, refer to the Skywire® Development Kit User Manual and complete the modem setup before proceeding.

# 2. Download and Install the Drivers

#### 2.1. Overview

Skywiremodems have the ability to add mobile network data connectivity to multiple devices. Now, with our Mini PCI Express (mPCIe) Adapter Board, that connectivity comes to computers that have a mPCIe present on the motherboard. This includes laptop computers and desktop computers.

Note: For Section 2, driver download and installation is very similar between Windows 7 and 8.1. The screenshots below are of Windows 7, but apply to Windows 8.1 as well.

#### 2.2. Download the Skywire USB Drivers

To download the USB driver for your specific modem, please visit the "Development Documentation" section of the NimbeLink page for your modem at <u>www.NimbeLink.com</u>, or consult the following table:

Part Number	Description	URL
		http://nimbelink.com/2g-cdma-1xrt
NL-SW-1xRTT-A	2G 1xRTT	<u>t/</u>
		http://nimbelink.com/2g-cdma-1xrt
NL-SW-1xRTT-S	2G 1xRTT	<u>t/</u>
		http://nimbelink.com/2g-cdma-1xrt
NL-SW-1xRTT-V	2G 1xRTT	<u>t/</u>
		http://nimbelink.com/skywire-gsmg
NL-SW-GPRS	2G GPRS	<u>prs/</u>
		http://nimbelink.com/skywire-evdo
NL-SW-EVDO-A	3G EVDO, GPS, GLONASS	Ĺ
		http://nimbelink.com/skywire-evdo
NL-SW-EVDO-V	3G EVDO, GPS, GLONASS	Ĺ
NL-SW-HSPAP	3G HSPA+	http://nimbelink.com/skywire-hspa/
NL-SW-HSPAPE	3G HSPA+, European Version	http://nimbelink.com/skywire-hspa/
NL-SW-HSPAPG	3G HSPA+, GPS, GLONASS	http://nimbelink.com/skywire-hspa/
		http://nimbelink.com/skywire-cellul
NL-SW-LTE-TSVG	LTE without Fallback, GPS, GLONASS	<u>ar-modem-lte/</u>
		http://nimbelink.com/skywire-cellul
NL-SW-LTE-TNAG	LTE with HSPA+ Fallback, GPS, GLONASS	<u>ar-modem-lte/</u>
		http://nimbelink.com/skywire-cellul
NL-SW-LTE-TEUG	LTE with HSPA+ Fallback, GPS, GLONASS, EU	ar-modem-Ite/

The download is titled "Skywire Windows 7 – Drivers & Guides". Click the link to download the ZIP file and save the download to your computer.

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### 2.3. Unzip the Drivers

Once the download is complete, navigate to its location and double-click the file to unzip it. Once it is unzipped, double-click on the "Telit\_USB\_Driver\_Win\_desktop\_UF.00.01" folder:

▼ Velit_USB_Driver_Win_	Desktop_UF.00.01 🕨		✓ 49 Search 1	elit_USB_Driver_Win_Desktop
Organize 👻 Include in library 👻	Share with 🔻 🛛 Bu	rn New folder		III 🔻 🗍 🔞
Name	Date modified	Туре	Size	
Telit_USB_Driver_Win_desktop_UF.00	0.01 06/08/15 11:08	File folder		
1 item				

then double-click on the "Bin" folder:

5

	<ul> <li>Telit_USB_Driver_Win_</li> </ul>	Desktop_UF.00.01 →		✓ 4y Search Tel	lit_USB_Driver_Win_D	esktop
Organize 🔻	Include in library 🔻	Share with 🔻 🛛 Burn	New folder			
Name	<u>^</u>	Date modified	Туре	Size		
📔 Bin		06/08/15 11:11	File folder			
DOC		00/06/13 11:11	rite Tolder			
21	tems					

and you will be presented with options for 32-bit (x86) and 64-bit (x64) drivers:

Organize 👻 Include in library 👻	Share with 🔻 🛛 Burn	New folder		:==	• 🗖	
lame	Date modified	Туре	Size			
TelitModulesDrivers_x64_UF.00.01	06/08/15 11:11	Compressed (zipp	5,898 KB			
TelitModulesDrivers_x86_UF.00.01	06/08/15 11:11	Compressed (zipp	5,184 KB			

Double-click the type of drivers that you need, unzip them to the same directory, and then double click on the unzipped application: either TelitModulesDrivers\_x86 or TelitModulesDrivers\_x64. You may get a dialog window that pops up, asking if you would like to run this program, and click "Yes" or "Allow".

#### 2.4. Install the Drivers

You will be presented with the Telit Install Wizard. On the first screen, click "Next":



and you will be presented with a screen that will ask which module you would like to install drivers for. If you know the particular module you will be using, you can select it. Otherwise, select "ALL", and click "Next":

🛃 TelitModule:	Drivers_x64 - InstallShield Wizard	×
Module Select Select Telit m	nodule to be installed	と
Module:	ALL	•
	ALL ATOP 3.5G	
	CC864 Series	
	CE910 Series	
	GE910 Series	
	HC864	
	HE863 Series	
	HE910 Series	
	HE910 V2 Series	
	LE910 Series	
InstallShield	LE920 Series	
ar to concern de la	UC864 Series	
	UE910 V2 Series	
	UE910 V2 Series	

At the next screen, select "Complete" for the setup type, and click "Next":

😸 TelitModules[	Drivers_x64 - InstallShield Wizard	×
Setup Type		4
Choose the se	tup type that best suits your needs.	0
Please select	a setup type.	
Complete	e (suggested)	
	All program features will be installed. (Requires the most disk space.)	
🔘 Cu <u>s</u> tom (	expert user)	
	Choose which program features you want installed and where they will be installed. Recommended for advanced users.	
InstallShield ———		
	< <u>B</u> ack Next > C	Can <mark>cel</mark>

On the next screen, click "Install":

JelitModulesDrivers_x64 - InstallShield Wizard	X
<b>Ready to Install the Program</b> The wizard is ready to begin installation.	ど
Click Install to begin the installation. Click Cancel to exit the wizard.	
nstallShield	Install     Cancel

There will be a dialog box that pops up. If prompted, type in your administrator password, and click "Yes".

After a short time, the drivers will install:



# 3. Set Up the Modem Connection – Windows 7

#### 3.1. Overview

Now that you have the modem and the drivers installed, you should have an icon in your System Tray that says "Wireless Connections Are Available". Click on it, and you should have something similar depending on the modem you've installed:



## 3.2. Enable the Mobile Broadband Connection

Click your Mobile Broadband Connection (in this case, "Verizon"), and then click connect.

Not connected	47
Mobile Broadband Connection	•
Verizon	llee.
	onnect
Open Network and Sharing Cer	nter

After a short time, the modem will be connected and you can use the Mobile Broadband Connection as you would a wired or wireless internet connection.



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# 4. Set Up the Modem Connection – Windows 8.1

#### 4.1. Overview

Setting up the modem connection is very similar to Windows 7. The process is the same, but looks different in Windows 8.1.

In the System Tray, there will be an icon that says connections are available:



## 4.2. Enable the Connection

Click the wireless network in the system tray, and the Charms Bar will appear, showing "Networks":



Click "Connect", and after a short time the Charms Bar will disappear and the modem will be connected to the network:



# 5. Troubleshooting

## 5.1. Set the APN manually

Right-click on your Mobile Broadband Connection, and click "Properties":

Not connected	ons are available	47
Mobile Broadba	nd Connection	~
Verizon	Connect	pill
	Properties	
Open Net	work and Sharing Cent	er

On the dialog windows that appears, click the "Profile" tab, and in the APN field type in your APN:

erizon Mobile Broad	pand Properties
Subscription Profile	Security
APN:	mw01.vzwstatic
User name:	
Password:	[Type here to set new password]
Tappulat	[.] Principle of active represented]
Autoconnect:	utomatically
Never connect a	
available	only if no alternate Internet connection is
Where do I get th	ie APN?

Once it is typed incorrectly, click the "OK" button to return to your desktop.