

Verizon "mobile intelligent WiFi" (MiFi) card for use as a Data Collector Internet option with the Carlson Surveyor/ Surveyor+ with Carlson SurvCE[™]. A common use for this practice is to obtain GPS base station corrections through the Internet:

Provision and Configure the MiFi Card Through your PC USB

- 1. Follow the provisioning and configuration steps on your PC as outlined at http://support.vzw.com/pdf/Get_Started_Guide_MiFi.pdf.
- 2. Once completed, disconnect the MiFi card from your PC and verify the MiFi card is powered on.



Note: An extended life battery for the Verizon MiFi 2200 device can be obtained by visiting <u>http://www.mugen-power-batteries.com/mugen-power-3600mah-extended-battery-for-for-novatel-verizon-wireless-mifi-2200.html</u>

Prepare the Surveyor(+)

Perform the following on the Carlson Surveyor(+):

1. From the Home screen, tap on the Wi-Fi icon to access the Wireless Manager and turn Wi-Fi On.



2. In the Wireless Manager, tap Menu \rightarrow Wi-Fi Settings.

😝 Wireless Manager		# ◀€ 11:27 🗙
All		¢\$
Wi-Fi		2×
		Off
Bluetooth		e,
		Off
	_	<u>W</u> i-Fi Settings
		<u>B</u> luetooth Settings
Done		Menu

3. In Settings, the Verizon MiFi device should appear. If it doesn't tap **Add New...** and follow the on-screen prompts (you should be able to accept all of the default values).

Note: When prompted for the SSID and password of the MiFi device, extract them from the label found on the MiFi device.

월 Set	tings	‡ ‡ 4 € 11:30 0	ok
Configu	ire Wireless Networks	(?
Add Veri	I New zon MiFi2200 Ava Tap and ho	ilable Id	
Network	s to access:		
Only ac	cess points	•	
Wireless	Network Adapters		
C	onnect	Menu	

4. Tap and hold on the MiFi device and then click **Connect**.

😚 Set	tings		# ◀€ 11:33	ok
Configu	ire Wireless Netw	orks		2
Adc	l New izon MiFi2200	Availab	<u>Connect</u> <u>A</u> dd New <u>R</u> emove Setting: Edit	5
Network Only ac	s to access: :cess points		<u>T</u> urn Off Wi-Fi	
Wireless	Network Adapters			
C	onnect		Menu	

Note: It may take several seconds for the MiFi connection to be established.

Settings	# ◀€ 11:35	ok
Configure Wireless Networks		?
Add New		
Verizon MiFi2200 Connecting		
Networks to access:		
Only access points	•	
Wireless Network Adapters		
Connect	Menu	_

5. Upon a successful connection, the notification icon in the status bar will appear as shown. Your Surveyor+ is now able to access the Internet. Tap **OK** to dismiss the Settings dialog box.

🔧 Set	tings		%	ok
Configu	re Wireless Netw	orks		2
Add Veri	New zon MiFi2200	Connected		
Network All Avai	s to access: lable		•	
Wireless	Network Adapters			
C	onnect		Menu	

Launch Carlson SurvCE™

The following information was written showing Carlson SurvCE 2.51. Subsequent releases of SurvCE should be very similar to that shown below.

- 1. Launch SurvCE and proceed through the Job Setup menus to the main SurvCE screen.
- 2. Tap the Equipment tab and then tap **GPS Rover** and tap the **RTK** tab.
- 3. Set the Device to **Data Collector Internet** and then tap the **Device Tools** button.

😂 GPS Rover	🔁 🔽 🔝
Current Con	nms Receiver RTK
Device: Dat	a Collector Internet 🛛 🝷 🛠
Network: NT	RIP 🗡
Message Type:	RTCM V3.0 👻
IaRTN:	RTCM3_MAX 🛛 🖈
Send Rover	Position to Network

- 4. Since the Surveyor+ is managing the connection to the Internet, tap the Green Check button to complete the SurvCE connection to the Internet.
- 5. Complete the GPS Rover configuration settings as outlined in the SurvCE documentation.

Once the Internet connection has been established, mountpoints and base information can be established to obtain GPS base station corrections.