Evelta LTE Raspberry Pi HAT

Windows (Quectel) USB Modem Driver Installation and Set-up Dial-up Connection User Guide

USB Modem Driver Installation Steps

1. Visit the Evelta product page and download the USB modem driver and unzip it.

 High-efficiency power regulati LTE category 4 module optimi Wardwide LTE UNIT (USDA) 	ion. ized for broadband IoT applications
Standard PCI Express Mini Cal	of and GSM/GPRS/EDGE coverage rd form factor (Mini PCIe) ideal for manufacturers to easily integrate wireless connectivity into their devices
• MIMO technology meets dem	ands for data rate and link reliability in modem wireless communication systems
• Taking the module into the Ai	rplane Mode, resetting module or RI and DTR functions can be accessible over GPIO pins.
• The power of the whole board	electronics can be disabled for low-power consumption use cases
• Working temperature range: -	40C ~ 80C.
Resources	
Quectel EC200T LTE	
User Manual	
<u>RPi 4G LTE Base HAT with min</u>	iPCIe Slot 3D STEP file
Windows USB modem driver	
Extra Information	
Brand:	Evelta

- 2. Attach the Quectel miniPCle module with the device and insert a 4G nano SIM card into the respective slot of the device. Now connect the device with your computer via USB cable. The yellow LED starts light and after a few seconds the blue LED starts blinking. Now the device is ready.
- 3. Open **Device Manager**, you should see the other devices as shown in the image below.

de D	evice Manager	122	
File	Action View Help		
() =			
v .8	PC-28		
>	Computer Computer		
>	🔜 Disk drives		
>	lig Display adapters		
>	DVD/CD-ROM drives		
>	Human Interface Devices		
>	IDE ATA/ATAPI controllers		
>	imaging devices		
>	Keyboards		
>	Mice and other pointing devices		
>	Monitors		
>	Network adapters		
~	Other devices		
	📓 Mobile AT Interface		
	🙀 Mobile Diag Interface		
	📓 Mobile ECM Network Adapter		
>	Portable Devices		
>	🚍 Print queues		
>	🚍 Printers		
>	Processors		
>	Software devices		
>	Sound, video and game controllers		
>	Storage controllers		
>	The System devices		
>	Universal Serial Bus controllers		
	WSD Print Provider		

4. Right click on the **Mobile AT Interface**, click update driver. A pop-up window will appear.

🗄 Device Manager



Click the text button in the Red Box as shown in the image to locate and install the driver manually.

5. Next window appears as shown below.

🛔 Device Manager

File Action View Help



Select the text as shown in the Red Box and click next.

6. You will see the next window as shown below. Click Next.





7. Now click on the Have Disk text button as shown below.

-	Device Ma	inager		
File	Action	View He	elp	
(m e	♦		T 🖳 💁 🗙 🕞	
	Cor Disl Disl DVI Hur IDE IDE Key Mic Mo	← ∎ υ Sele	pdate Drivers - Mobile AT Interface ect the device driver you want to install for this l Select the manufacturer and model of your hardware dev disk that contains the driver you want to install, click Hav	Hardware. vice and then click Next. If you have a ve Disk.
	Net	(Retr	rieving a list of all devices)	
	Prir Prir Pro Sof Sou Sou Su Sou			Have Disk
	ws			Next Cancel

8. The next window will appear as shown below. Click the browse button to locate the driver folder (downloaded and unzipped).

🗂 Device Manager

 Cor Disl Disl Update Drivers - Mobile AT Interface 	
> 🔜 Cor > 🕳 Disl > 🔙 Disg 🔶 📱 Update Drivers - Mobile AT Interface	
> 🔜 Disl > 🔙 Disl 🔶 📱 Update Drivers - Mobile AT Interface	×
> 🔜 Dist 🔶 📱 Update Drivers - Mobile AT Interface	
> PART	
> 🖓 Hur	
Select the device driver you want to install for this hardware.	
> 🕞 Ima	
> Key If y	ou have a
> 🚺 Mic 🔤 🖌	
> Mo	
Net OK	
V 🕐 Oth	
Retrievin	
> Por	
> 🖻 Prin	
> 🖻 Prin	
> Pro	
> Sof	Dist
> i Sou	DISK
> See Stol	
> Ta Syst	
> Ü Uni	
Next	Cancel

9. Locate the driver folder and click open.

- .

Look in:	🚽 Downloads	~	G 🤌 📂 🖽 🗸	
4	Name		Date modified	Туре
uick access	loday (2)			
uner access	serial_4cb	0ed84362402f0c7c3bfee3d9a83916	11-01-2021 17:29	File f
	Windows	10 Pro x64 v2004 tr-TR - ACTiVATE	11-01-2021 14:06	File f
Deckton	Earlier this m	ionth (4)		
Desktop	University	-Employee-ID-Card-Template_Psd	01-01-2021 13:24	File fo
	employee	-id-card-template_Word	01-01-2021 13:20	File fo
rarios	Employee	-id-19	01-01-2021 13:15	File fo
raries	Employee	-id-51	01-01-2021 13:11	File fo
	A long time	ago (2)		-
his PC	Documen	ts	04-09-2019 16:50	File fo
-	YXC prog	rammer Installer software	04-09-2019 11: <mark>4</mark> 3	File fo
	<			>
	File name:	*.inf	~	Open
	Files of type:	Setup Information (* inf)		Cancel

10. Open the folder and select the **qcmdm** file. Click open.

Locate File	n: serial_4cb0	Ded84362402f0c7c3bfee3d9a8391 ~	G 🜶 📂 🖽 -	×
Quick access	Name serial	^	Date modified 04-01-2021 18:23 24-02-2018 16:06 24-02-2018 16:03	Type File fo Setur
Desktop Libraries This PC				Sector
Network	<			>
	File name: Files of type:	gcmdm.inf Setup Information (*.inf)	~	Open Cancel

11. Click OK.

Insert the manufacturer's installation disk, and then MK OK Cancel
Copy manufacturer's files from:
 C:\Users\Evelta PC3\Downloads\serial_4cb0ed84 \view Browse
Have Disk

12. Now select the device Quectel USB Modem. And click Next.

Disj ← DVI	Update Drivers - Mobile AT Interface	
IDE	Select the device driver you want to install f	or this hardware.
Ima Key Mic Mo Net	Select the manufacturer and model of your hard disk that contains the driver you want to install,	dware device and then click Next. If you have a click Have Disk.
Oth C Por Prir Prir	Model Quectel USB AT Port Quectel USB DM Port Quectel USB Modem Quectel USB NMEA Port	^
Sofi Sou Stoi Syst	This driver is digitally signed. <u>Tell me why driver signing is important</u>	Have Disk
Uni WS		Next Cancel

13. Click **Yes** to Update Driver Warning.



14. Driver successfully installed.

		×
4	Update Drivers - Quectel USB Modem	
	Windows has successfully updated your drivers	
	Windows has finished installing the drivers for this device:	
	Quectel USB Modem	
	Close	

15. After successful installation, you can see the modem driver in Device Manager as shown below.

ᡖ Device Manager

File Action View Help	
(= =>	
✓	
> 🛄 Computer	
> 👝 Disk drives	
> 🔙 Display adapters	
> 🖉 DVD/CD-ROM drives	
> 🙀 Human Interface Devices	
> 📷 IDE ATA/ATAPI controllers	
> 🙀 Imaging devices	
> 🥅 Keyboards	
> 🕕 Mice and other pointing devices	
V Moderna	
📲 Quectel USB Modem	
> Monitory	
> 🚍 Network adapters	
🗸 🛐 Other devices	
Mobile Diag Interface	
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> Portable Devices	
> 🚍 Print queues	
> 🚍 Printers	
> Processors	
Software devices	
> 💐 Sound, video and game controllers	
> Storage controllers	
> 🏣 System devices	
🔨 🛱 Universal Serial Bus controllers	

16. Check if the device is functional or not with the Quectel tool **Qnavigator.** Download the Qnavigator tool from Quectel's website. Now Open the Qnavigator tool and connect to the module



17. If the device is connected, you can see the Module information, SIM and Network registration information as shown below.



Set-up Dial-Up Connection Steps

1. Open Network & Internet setting.



2. Click Dial-Up.

Settings		- 0
ம் Home	Status	
Find a setting	Network status	Have a question?
		Updating network adapter or drive
Network & Internet	$\Box = \epsilon = \Phi$	Finding my IP address
		Troubleshooting network connecti issues
	Public network	Get help
// Wi-Fi	You're connected to the Internet	
Ethornot	If you have a limited data plan, you can make this network a metered connection or change other properties.	Make Windows better
Eulemet	Change connection properties	Give us feedback
🗊 Dial-up	change connection properties	
	Show available networks	
% VPN	Change your network settings	
™ Airplane mode	Change your network settings	
	Change adapter options	
((j)) Mobile hotspot	View network adapters and change connection settings.	
C Data urage	문 Sharing options	
	Por the networks you connect to, decide what you want to share.	
Proxy	∧ Network troubleshooter	
	Diagnose and fix network problems.	
	View your network properties	
	Windows Firewall	

3. Click Set up a new connection.

Settings		-
ගි Home	Dial-up	
Find a setting	Dial-up	Related settings
	Sat up a new connection	Change adapter options
Network & Internet	Set up a new connection	Network and Sharing Center
Status		Windows Firewall
// Wi-Fi		Have a question?
문 Ethernet		Get help
유 Dial-up		Make Windows better
% VPN		Give us feedback
r ⁿ → Airplane mode		
(۱۶) Mobile hotspot		
🕒 Data usage		
Proxy		

٥

4. Click Connect to the Internet then Next.

oose e		
	onnect to the Internet	
Se	t up a broadband or dial-up connection to the Internet.	
Se	et up a new network	
Se Se	t up a new router or access point.	
M	anually connect to a wireless network	
2 0	onnect to a hidden network or create a new wireless profile.	
C C	onnect to a workplace	
Se Se	t up a dial-up or VPN connection to your workplace.	

5. Set up a new connection anyway.

- 🏟 Connect to the Internet	7 <u>28</u>		×
You are already connected to the Internet			
→ Browse the Internet now			
→ Set up a new connection anyway	6		
		Car	ncel

6. Click Dial-UP

🗧 🧠 Connect to the Internet

How do you want to connect?

1-	Dial-up	
3	Connect using a dial-up modem or ISDN.	

••

Cancel

7. Enter *99# in the dial-up phone number field and select check-box to allow other people to use this connection as shown below. And click connect.

Connect to the Internet

Dial-up phone number:	*99# Dialing Rul	es
User name:	[Name your ISP gave you]	
Password:	[Password your ISP gave you]	
	Show characters	
Connection name:	Dial-up Connection	
🗣 🖂 Allow other people to	use this connection	
This option allows an	yone with access to this computer to use this connection.	
I don't have an ISP		

~

8. Connecting.....

🗧 🚳 Connect to the Internet

Connecting to Dial-up Connection...



	-
Skip Cancel	í

9. Connected and ready to use.

	8		X	
4 Connect to the Internet				
The connection to the Internet is ready to use				
To connect to the Internet next time, left-click the network icon in the taskbar and click the connection you just created.				
		Clo	ose	

10. Dial-Up connection is created. You can see Dial-Up connection connected in the network & internet setting and network icon changed in the right below corner of the taskbar as shown below.



For more information, please email us at sales@evelta.com.