WL-M100 Serial Port Modem Quickstart

1. WL-M100 Modem interface and panel indication



2. AT Command

Default baud rate as 115200bps. You might implement AT command as request.

If need more WL-M100 AT commands, may refer to 3G/4G module AT commands manual.

Quectel UC200/UC15 Commands Manual for WL-M100-1 and WL-M100-2 3G modem

Quectel EC25 Commands Manual for WL-M100-3 modem



3. Install Modem in Windows OS(WIN10 as example)

3.1 Start from "Control Panel", Double click "Phone and Modem", and select "Modem".

Click "Modem" button, and Click "Add" button.



$\leftarrow \rightarrow$	👻 🛧 🔝 > Control Panel > All Control Panel I	tems	√ Ō
		Phone and Modem	
	Phone and Modem Set up dialing rules	Dialing Rules Modems Advanced	
6	Default Programs	The following modems are installed:	
	Devices and Printers Add a device	Modem Attached To	
٩	Ease of Access Center Turn off background images		
Ŷ	Speech Recognition Set up a microphone		
	AutoPlay Change default settings for media or devices		
Sear	ch Windows Help and Support for "ph"		
		Add Properties	
		OK Cancel Apply	

Click "Do not detect my modem, I will choose from a list", click "Next" to continue

Windows will now try to detect your modem. Before
continuing, you should:
 If the modem is attached to your computer, make sure it is turned on.
 Quit any programs that may be using the modem.
Click Next when you are ready to continue.
✓ Don't detect my modem; I will select it from a list.

Refer to below Figure, Manufacture: Choose "Standard Modem Types", Type: Select "Standard 19200 bps Modem", click "Next".



Add Hardware Wizard		
Install New Modem		
Select the manufacturer a an installation disk, click H	nd model of your modem. If your modem is lave Disk.	s not listed, or if you have
Manufacturer (Standard Modem Types) HUAWEI Technologies Co.,LTD Standard Cell Phones	Models Standard 14400 bps Modem Standard 19200 bps Modem Standard 28800 bps Modem Standard 33600 bps Modem	~
This driver is digitally signed. Tell me why driver signing is in	nportant	Have Disk
	< Back	Next > Cancel

Select COM port(which is auto generated by PC), click "Next", and then you will finish the installation.

You have selected the following modem:	
Standard 19200 bps Modem	
On which ports do you want to install it?	
C All ports	
 Selected ports 	
COM6	

Click Finish button to succeed your modem installation.



Install New Modem Modem installation is finished!

Your modem has been set up successfully.
If you want to change these settings, double-click the Phone and Modem Options icon in Control Panel, click the Modems tab, select this modem, and then click Properties.

3.2 Modify Modem Speed to 115200bps in Properties as below.

Ø Phone and Modern	🔀 🥔 Standard 19200 bps Modern Properties 🛛 🗙
Dialing Rules Moderns Advanced	General Modem Diagnostics Advanced Driver Details Events
The following modems are installed:	Standard 19200 bps Modem
Modem Attached To Standard 19200 bps Modem COM6	Device type: Modems Manufacturer: (Standard Modem Types) Location: Unknown
	This device is working property.
Add Remove F	operties Change settings



SHENZHEN WLINK TECHNOLOGY CO., LTD

Phone and Modem	×	Standard	19200 bp	os Modem Pr	operties				×
Dialing Rules Modems Advanced		General	Modem	Diagnostics	Advanced	Driver	Details	Events	
The following modems are installed:		Port:	COM6 aker volum	e					
Modem	Attached To		Low	U	н	gh			
📻 Standard 19200 bps Modem	COM6			Ť	2				
Add	Remove Properties	- Maxi	mum Port 1152 300 1200 2400 Cont 9600 1920 3840 5760 1152	Speed 100 0 0 0 0 0 0 0 0 0 0 0					
ОК	Cancel Apply	4				0)K	Cance	el

3.3 Click Advanced Button to add Modem dialup command such as at+cgdcont=1,"ip",3GNET". The APN 3GNET should be as the same as SIM card APN in Properties.

Ø Phone and Modem	×	Standard 19200 bps Modern Properties X
Dialing Rules Modems Advanced		General Modem Diagnostics Advanced Driver Details Events
The following modems are installed:		Extra Settings Extra initialization commands:
Modem	Attached To	at+cgdcont=1,"ip",3gnet"
📻 Standard 19200 bps Modem	СОМ6	Initialization commands may lead to the exposure of sensitive information in the modem log. Consult your modem's instruction manual for more details.
Add	Remove Properties	Change Default Preferences
ОК	Cancel Apply	OK Cancel

4. Create Dialup Connection

4.1 Create dialup connection

Start from "Control Panel", Open "Network and Sharing Center", and click "Set up a new connection or network".

Network and Sharing Center				- 🗆 X
🗧 🔶 🕤 🛧 🙀 > Control F	Panel > All Control Panel Items > Network	and Sharing Center	ٽ ~	Search Co 🔎
Control Panel Home	View your basic network infor	mation and set up connections		
Change adapter settings	View your active networks			
Change advanced sharing settings	Detran_Ltd_PD 5 Public network	Access type: Internet Connections: M WLAN (Detran_Ltd_PD)		
	Change your networking settings	etwork		
	Troubleshoot problems Diagnose and repair network	problems, or get troubleshooting information.		
See also				
HomeGroup				
Infrared				
Internet Options				
Windows Firewall				

Click "Next" button to Connect to the Internet.

Choose a connection option Image: Connect to the Internet Image: Connect to the Internet Image: Connect to a under a dial-up connection to the Internet Image: Set up a new network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network Image: Connect to a wireless network <td< th=""><th>- 🗆</th><th>You are already connected to the Internet</th></td<>	- 🗆	You are already connected to the Internet
Set up a new notwork Set up a new router or access point. Image: Connect to a wireless network Connect to a workplace Set up a dial-up or VPN connection to your workplace.	Choose a connection option	······································
Set up a dial-up or VPN connection to your workplace. → Set up a new connection anyway	Set up a new network Set up a new router or access point. Manually connect to a wireless network Connect to a hidden network or create a new wireless profile.	→ Browse the Internet now
	Set up a dial-up or VPN connection to your workplace.	→ Set up a new connection anyway

Click "Dial-up"



Input dialup number such as *99# for 3G network, the username and password as the same as SIM card's. Finally click "Connect" and "Skip" to continue the wizard.

÷	Connect to the Internet		- 🗆 X	Dennect to the Internet			
	Type the information from	m your Internet service provider (ISP)	Dialing Rules	Connecting to Dial-up Connection			
	User name: Password:	card		Modems connecting			
	Connection name:	Show characters Remember this password Dial-up Connection					
	Allow other people to us This option allows anyor I don't have an ISP	e this connection e with access to this computer to use this connec	tion.	_			
		Cor	nnect Cancel		Skip	Ci	ancel

4.2 Returning to Network Connections, click Dial-up Connection to change modem configuration.



Network Connections	– 🗆 🗙
← → → ↑ 😰 > Control Panel > Network and Internet > Network C	onnections v Ö Search Ne ク
Organize	e this connection »
VPN Connection Disconnected WAN Miniport (L2TP) Wall pial-up Connection WLAN Detran_Ltd_PD 5 Intel(R) Dual Band W	ireless-AC 31 文字 Intel(R) Ethernet Connection (3) I
S Connect / Disconnect Status	
Cancel as Default Connection	
Create Copy	
Create Shortcut Delete Rename	
Properties	
4 items 1 item selected Dial-up Connection Properties General Options Security Networking Sharing Connect using:	×
Modem - Standard 19200 bps Modem (COM6)	
Configure Phone number Area code: Phone number:	Modern Configuration Standard 19200 bps Modern (COM6)
✓ *99# Alternates	Maximum speed (bps): 115200
Country/region code:	Modem protocol 2400 4800
Use dialing rules Dialing Rules	Haroware features 9600 ✓ Enable hardware flow con 19200 38400 Enable modem error contro 57600 115200
Privacy statement	Enable modem compress (230400 460800 921600
	Enable modem speaker OK Cancel
OK Cancel	

4.3 Click "Connect/Disconnect" to complete the dailing.

Network Connections		- o ×
← → ✓ ↑ 😰 > Control Panel > Network and	nd Internet > Network Connections	✓ Ö Search Ne
Organize Start this connection Rename the	his connection Delete this connect	tion »
VPN Connection Disconnected WAN Miniport (L2TP) Dial-up Connection Disconnected Standard 1920 Connect / Disconnect Status Cancel as Default Conr Create Copy	WLAN Detran_Ltd_PD 5 Intel(R) Dual Band Wireless-AC 31.	以太网 Network cable unplugged Intel(R) Ethernet Connection (3) I
Create Shortcut Create Shortcut Delete Rename Properties		
4 items 1 item selected		822 📼
Settings		
Ø Home	Dial-up	
Find a setting P	Dial-up Connection	
Network & Internet		
🖨 Status	Connect	Advanced options Remove
// Wi-Fi	Set up a new connection	Connect Dial-up Connection X
문 Ethernet	Related settings	
🕾 Dial-up	Change adapter options	
% VPN	Network and Sharing Center	
$r_{\mathcal{V}}^{\mathcal{N}}$ Airplane mode	Windows Firewall	Password:
(p) Mobile hotspot		Save this user name and password for the following users:
🕒 Data usage		Provide the set of the
Proxy		Dial: *99# ~
	L	Dial Cancel Properties Help

-- The end