

EC2X&AG35-QuecOpen RNIDS User Guide

LTE Module Series

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Our aim is to provide customers with timely and comprehensive service. For any assistance, please contact our company headquarters:

Quectel Wireless Solutions Co., Ltd.

7th Floor, Hongye Building, No.1801 Hongmei Road, Xuhui District, Shanghai 200233, China

Tel: +86 21 5108 6236

Email: info@quectel.com

Or our local office. For more information, please visit:

<http://quectel.com/support/sales.htm>

For technical support, or to report documentation errors, please visit:

<http://quectel.com/support/technical.htm>

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About the Document

History

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Introduction

1 Android/Linux supports USB multiple network card mode, such as rndis, ecm, rmnet and so on. This document introduces Quectel Module how to configure USB as RNIDS mode.

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Test

2 RNDIS Configuration

If need configure Quectel module USB as RNIDS mode, just modify the usb_net_type directory of the file **2.1**system path and restart it. The specific operation is as following.

For EC2X:

```
root@mdm9607-perf:~# echo rndis > /sbin/usb/compositions/usb_net_type
root@mdm9607-perf:~# sync
root@mdm9607-perf:~# reboot
```

For AG35:

```
root@mdm9607-perf:~# echo rndis > /data/usb/usb_net_type
root@mdm9607-perf:~# sync
root@mdm9607-perf:~# reboot
```

2.2.

RNDIS Check

After configuration, use following command to check whether USB configuration is successful.

```
root@mdm9607-perf:~# cat /sys/class/android_usb/android0/functions
diag,serial,rndis,ffs
```

Use following command to check ecm0.

```
root@mdm9607-perf:~# ifconfig rndis0
```

2.3.

```
rndis0      Link encap:Ethernet  HWaddr 3E:60:FD:FB:5B:97
```

Test Method

After rndis is successfully established, it can't directly connect to the Internet, needs calling at first. Please refer to **Quectel_EC2X&AG35-QuecOpen_Data_Call_Application_Guide**.

Host Terminal

3 If the host uses the Windows operating system, the USB device is configured as rndis mode, the USB device is connected to the USB host, and the host needs to install Microsoft's standard rndis driver.

If the host uses the Ubuntu operating system, after the USB device is connected to the host, the user can view the usb0 virtual network card through the command **ifconfig -a**, which means that the host enumerates the device successfully.

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Appendix A References

Table 1: Related Documents

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SN	Document Name	Remark
[1]	Quectel_EC2X&AG35-QuecOpen_Data_Call_Application_Guide	

Table 2: Terms and Abbreviations

Abbreviation	Description
RMNET	Remote Network
ECM	Ethernet Control Mode
MBIM	Mobile Broadband Interface Model
RNDIS	Remote Network Device Interface Specification