EC2X&AG35-QuecOpen SGMII as WWAN Port Solution

LTE Module Series

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Status: Temporary

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GENERAL NOTES

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About the Document

History

Revision	Date	Author	Description
1.0	2018-04-02	Mike	Initial

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1 Introduction

The current module can't support SGMII port as WWAN, only can be used as LAN port. But through modifying configuration parameters, SGMII port can be used as WWAN.

NOTE

This solution does not apply to using USB network cards.

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2 Guidance

2.1. Solution Introduction

● **Close Module qti Process**

(1) Enter the module's internal shell environment through the debug interface and execute command **/etc/init.d/start_qti_le stop** to shut down the process

```
root@mdm9607-perf:~# /etc/init.d/start_qti_le stop
Stopping qti: stopped qti (pid 1376)
done
root@mdm9607-perf:~#
```

(2) If don't need start this process when booting module, please delete file **/etc/rcS.d/S40start_qti_le**.

● Through related API to start SGMII network port, or execute **/etc/init.d/start_emac_le** to start.

```
root@mdm9607-perf:~# ifconfig eth0
eth0      Link encap:Ethernet  HWaddr 00:80:48:BA:D1:30
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)
          Interrupt:108

root@mdm9607-perf:~#
```

● SGMII Network Port IP address Configuration
(1) Manually specify the IP address, configuration tools: ifconfig or ip command.
(2) Get address by DHCP: **udhcpc -i eth0 -s /etc/udhcpc.d/50default**