

WCDMA UGxx

QLog Linux&Android

User Guide

UMTS/HSPA Module Series

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About the Document

History

Revision	Date	Author	Description
1.0	2014-08-01	Arno WANG	Initial
1.1	2015-03-01	Arno WANG	Changed the document name from “UG95” to “UGxx”.
1.2	2015-04-01	Arno WANG	Updated applicable modules.

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1 Introduction

This document mainly introduces how to use the “QLog_UGxx_Linux” tool to catch log data for the module in Linux and Android system.

This document is applicable to UGxx modules.

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2 Tool Package

The log tool package includes an executable file. The file in tool package is shown as below:

- QLog_UGxx_Linux

NOTE

You must get the permission from Quectel Technical support to run this program before operating Quectel log tool.

3 Parameters of Log Tool

Log program can specify the operating parameters in the command line. The detailed parameters are illustrated as below.

Table 1: Description of Command Parameters

Number	Parameter	Optional/Non-optional	Description
1	-p <port>	Optional	Specify the port, the default port is "ttyACM1", <port> can be specified as "ttyACM*".

4 How to Use the Tool

This chapter mainly introduces the procedure of using Quectel log tool.

Quectel log tool can catch log data of the module in real time and save it into any directory of HOST (the program will create “tracelog” under the current directory automatically to save the log). The log data can be used to analyze the abnormality of the module.

4.1. Send AT Command

Please execute AT+TRACE=1 to enable trace function before operating Quectel log tool.

```
AT+TRACE=1
```

4.2. Operation Procedure

Put the program and configuration file into a directory of the HOST. For example, the current directory is “workspace”, you should move the file into the “workspace”, and then operate log tool.

```
cd workspace           //Enter into the directory of the program.  
./QLog_UGxx_Linux      //Operate log tool (You need to get the permission).
```

The following figure shows the entire operating process:

```
root@ubuntu:/home/arno/UGxxLogTool# ./QLog_UGxx_Linux
start to catch log
open port:ttyACM1
trace file name: tracelog_20140714161730/tracelog-20140714161730.bin
received(168.96KB), tick(6s), 28.16KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(4.10KB), tick(5s), 0.82KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(11.26KB), tick(6s), 1.88KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
```

Figure 1: Operating Process

If you want to end the program, please input the command below:

stoplog	//End the program.
----------------	--------------------

```
received(7.17KB), tick(5s), 1.43KB/s
received(4.10KB), tick(5s), 0.82KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(12.29KB), tick(6s), 2.05KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(11.26KB), tick(6s), 1.88KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(6.14KB), tick(5s), 1.23KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(5.12KB), tick(5s), 1.02KB/s
received(7.17KB), tick(5s), 1.43KB/s
received(12.29KB), tick(7s), 1.76KB/s
stoplog
program is coming to the end...
end of program!
root@ubuntu:/home/arno/UGxxLogTool#
```

Figure 2: End the Program