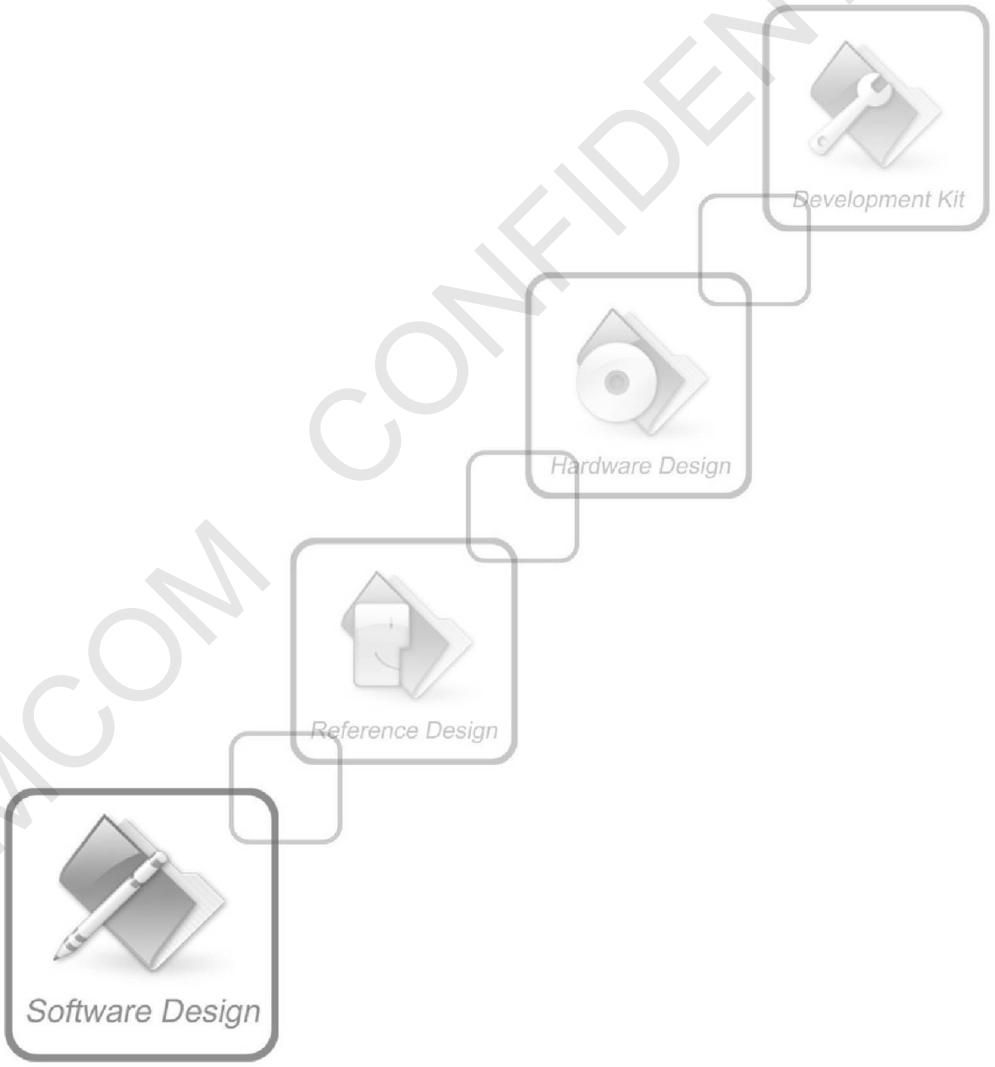
SIM5300E_PING_Application Note



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Document Title:	SIM5300E_PING_Application Note
Version:	1.00
Date:	2016-11-04
Status:	Release
Document Control ID:	SIM5300E_PING_Application Note_V1.00

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SCOPE

This document describes how to use the internal PING function of SIM5300E through AT commands.

Examples are also given for reference.

This document can be used for SIM5300 serial modules, like SIM5300E.

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1. INTRODUCTION

1.1 FEATURES

- SIM5300E supports sending PING (ICMP Echo request) to remote IP address.
- SIM5300E supports setting the mode when it receives an IP packet. At present it can control whether to send an Echo Reply to an IP address pinging it.

2. PING REQUEST

The examples of sending PING ECHO Request as follows.

```
AT+CGATT?                                   //Attach to GPRS
+CGATT: 1

OK

AT+CSTT=”CMNET”                             //Start task and set APN
OK

AT+CIICR                                    //Bring up wireless connection (GPRS or CSD)
OK

AT+CIFSR                                    //Get local IP address
10.78.245.128

AT+CIPPING=”www.google.cn”                  //Ping request
+CIPPING: 1,"203.208.37.99",70,239
+CIPPING: 2,"203.208.37.99",53,238
+CIPPING: 3,"203.208.37.99",60,239
+CIPPING: 4,"203.208.37.99",50,239

OK
```

3. IP FILTER SETTING

```
AT+CIPFLT=1,1,”198.211.19.12”,”255.255.0.0”     //Add a rule
OK

AT+CIPFLT=1,,”10.43.21.69”,”255.0.0.0”          //Add a rule
OK
```

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```
AT+CIPFLT=0,1                    //Delete the rule 1
OK

AT+CIPFLT=2                      //Delete all the rules
OK
```

4. SET THE MODE WHEN RECEIVING AN IP PACKET

```
AT+CIPCTL=0                      //Disable the Echo Reply
OK

AT+CIPCTL=1                      //Enable the Echo Reply
OK

AT+CIPCTL=2                      //Send Echo Reply only to some specified IP
OK                               //Addresses
```

RELATED DOCUMENTS

SN	Document name	Remark
[1]	*SIM5300E AT Commands*	SIM5300E_ATC_V1.01

GLOSSARY

IP	Internet Protocol
ICMP	Internet Control Message Protocol
DNS	Domain Name System
PING	Packet Internet Groper

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