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# SIM900_Autorun_Application Note_V1.00



Development Kit

Hardware Design

Reference Design

Software Design
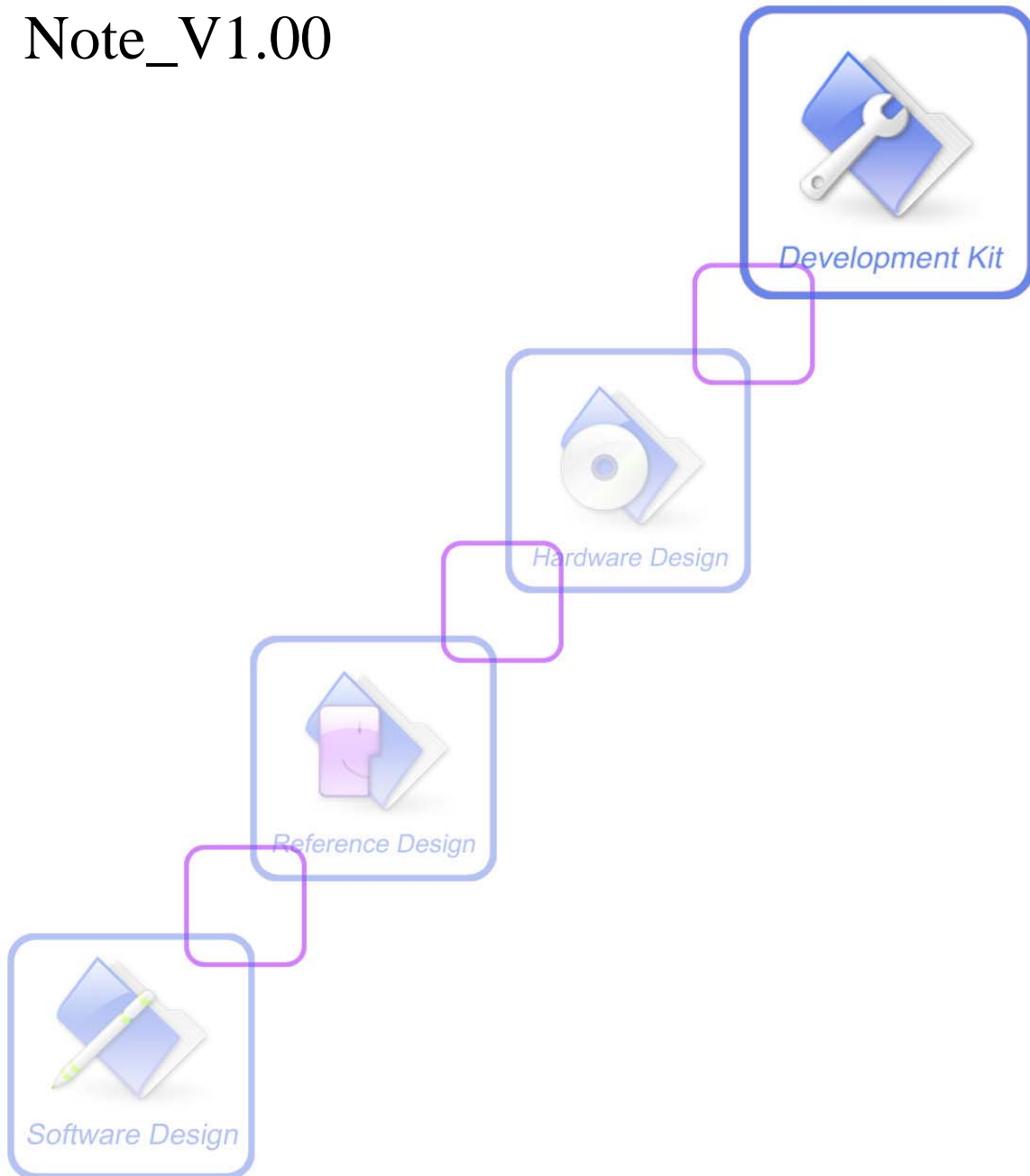
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# Version history

| Date | Version | Description of change | Author |
|------|---------|----------------------|--------|
| 2012-9-28 | 1.00 | Origin | GaoLiang |
| | | | |

# SCOPE

This document describes how to use mobile to send a SMS to SIM900 and run the AT commands automatically.

Examples are also given for reference. This document can be used for SIM900 serial modules, like SIM900 and SIM900D.

This document is subject to change without notice at any time.

# 1. AT COMMAND

## 1.1 AT+CAUTORUN

| AT+CAUTORUN | |
|---|---|
| Test Command<br>**AT+CAUTORU<br>N=?** | Response<br>**+CAUTORUN: (0,1)**<br>**OK** |
| | Parameter<br>See Write Command |
| Read Command<br>**AT+CAUTORU<br>N?** | **Response**<br>**+CAUTORUN:\<n\>,[\<number\>]**<br>**OK** |
| | Parameters<br>See Write Command |
| Write Command<br>**AT+CAUTORU<br>N=\<n\>[,\<number\>]** | Response<br>**OK**<br>or<br>**ERROR**<br>or<br>**+CME ERROR: \<err\>** |
| | Parameters<br>**\<n\>**　　0: disable AUTORUN function<br>　　　　1: enable AUTORUN function<br>**\<number\>**　String type (string should be included in quotation marks)<br>　　　　When the module receives a SMS which contained AT command, the module will execute that AT command and then send a SMS with the result to this \<number\>. It is valid on the condition that AUTORUN function is enabled. |
| Reference | Note |

**Example:**

//Enable AUTORUN function; set the phone receiver number to "13611679892".
**AT+CAUTORUN=1,"13611679892"**

**OK**

//A mobile phone sent a SMS containing AT command "ATI" to the module

//The module received the SMS
**+CMTI: "SM",23**

//The module executed "ATI" command in the background and then sent a SMS with the result of AT command to the predefined number "13611679892".

//The mobile phone of number "13611679892" received the SMS, the content of the message was as below:
**SIM900 R11.0**
**OK**

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