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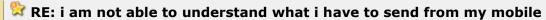
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# Code for gsm modem interfacing to 8051

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Details	Message
Read-Only Author soham g Posted 12-Jul-2012 14:44 GMT Toolset None	can any one help me with the code for the gsm modem interfacing with 8051
Read-Only Author Per Westermark Posted 12-Jul-2012 15:12 GMT Toolset None	RE: code for gsm modem interfacing to 8051  Google can.
Read-Only Author Andrew Neil Posted 14-Jul-2012 08:52 GMT Toolset None	RE: Google can <a href="http://www.lmgtfy.com?q=gsm+modem+interfacing+with+8051">http://www.lmgtfy.com?q=gsm+modem+interfacing+with+8051</a>
Read-Only Author Andrew Neil Posted 14-Jul-2012 08:56 GMT Toolset None	How to interface anything to anything else <a href="http://www.8052.com/forum/read/160143">http://www.8052.com/forum/read/160143</a>
Read-Only Author soham g Posted 20-Jul-2012 06:11 GMT Toolset None	RE: Google can  i am not able to understand what i have to send from my mobile is it the at command???

Read-Only Author Andrew Neil **Posted** 20-Jul-2012 06:19 GMT Toolset None



What does **your mobile** have to do with it?

You said you were interfacing to a **modem**?!

Read-Only Author soham q Posted 20-Jul-2012 13:04 GMT Toolset None



i am trying to control the operation through the mobile wirelessly through sms and nt through the hyper terminal

Read-Only Author Rudrappa Navalur Posted 20-Jul-2012 07:00 GMT Toolset None

### $\Re$ RE: code for $\operatorname{\mathsf{qsm}}$ modem interfacing to 8051

Before going to the program please understand the GSM module, hope you know that it works with AT commands Try these commands on GSM module by connecting to PC's hyperterminal

Examples>>

TO CHO GAIN - AT+CSO=? TO CHK NETWORK - AT+COPS=?

Examples for send and receive SMS

For sending SMS in text Mode:

AT+CMGF=1 press enter AT+CMGS="mobile number" press enter

Once The AT commands is given' >' prompt will be displayed on the screen.

Type the message to sent via SMS. After this, press ctrl+Z to send the SMS.

If the SMS sending is successful, "ok" will be displayed along with the message number.

For reading SMS in the text mode:

AT+CMGF-1 Proce enter

AT+CMGR= no.

Number (no.) is the message index number stored in the sim card. For new SMS, URC will be received on the screen as +CMTI: SM 'no'. Use this number in the AT+CMGR number to read the message.

Voice call

Initiating outgoing call:

ATD+ mobile number; press enter

For disconnecting the active call:

ATH press enter

For receiving incoming call:

ATA press enter

Read-Only Author soham g Posted 20-Jul-2012 13:08 GMT Toolset None

## 😭 RE: code for gsm modem interfacing to 8051

i am trying to control the operation through the mobile wirelessly through sms and nt through the hyper terminal

Read-Only Author Rudrappa Navalur Posted 20-Jul-2012 13:29 GMT Toolset None

#### RE: code for gsm modem interfacing to 8051

i am trying to control the operation through the mobile wirelessly through sms and nt through the hyper terminal

you will control some operations using SMS right?

Then how you will read received SMS(containing control operation) to GSM from the mobile?

So try out some commands to read SMS as I have sent it in previous post, then start reading for that same SMS and control devices

Read-Only Author soham g Posted 20-Jul-2012 13:53 GMT Toolset None

#### RE: code for gsm modem interfacing to 8051

ok thanks i will try it but do i have to send the at command as an sms

Read-Only **Author** Rudrappa Navalur RE: code for gsm modem interfacing to 8051

20-Jul-2012 14:01 GMT **Toolset** None

do i have to send the at command as an sms

NO

send simple control message from mobile to GSM and read the same using GSM module(using "AT+CMGR=no." command) then do the operation depends on message content

Read-Only Author soham g Posted 21-Jul-2012 08:25 GMT Toolset

None

Read-Only

😭 RE: code for gsm modem interfacing to 8051

got it i will try accordingly.

Author Andrew Neil Posted 20-Jul-2012 18:24 GMT Toolset None 😭 RE: do i have to send the at command as an sms

Think about it: what is your system (the 8051+modem) going to do with the message when it receives it...?

Read-Only Author soham g Posted 21-Jul-2012 08:24 GMT Toolset None

RE: do i have to send the at command as an sms

Thanks for the reply.

After receiving the control messegage it will operate the appropriate relay.

Read-Only Author mudit p Posted 6-Nov-2012 10:38 GMT Toolset None

🔀 RE: do i have to send the at command as an sms

hi...i am also working for the same kind of project..can you help me for the code plz...

Read-Only **Author** Andrew Neil **Posted** 20-Jul-2012 19:07 GMT

😭 RE: If the SMS sending is successful, "ok" will be displayed

The OK just indicates that the AT Command was accepted by the modem - it does not indicate successful transmission of the message!

None

The message is not confirmed as sent until you subsequently receive the Message Reference (MR) number.

But the OP's project is *receiving* the message - not sending it.

Read-Only Author Andrew Neil Posted 21-Jul-2012 09:33 GMT Toolset None



You do realise, don't you, that there are dozens - possibly even hundreds - of projects already published on the internet which do exactly this?

Did you spend any time researching *prior art*?

http://www.lmgtfy.com?q=GSM+SMS+Remote+Control+Microcontroller

Read-Only Author soham g Posted 22-Jul-2012 12:09 GMT Toolset None

#### 😭 RE: gsm modem interfacing

i tried it but am not able to get any code

Read-Only Author Andrew Neil Posted 24-Jul-2012 07:54 GMT Toolset None

### 😭 RE: not able to get any code

Oh dear - so you might actually have to get down and write some of your own, then...?!

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