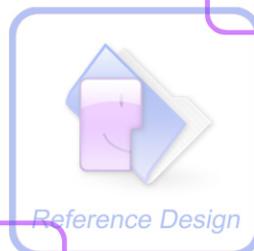




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SIM7500_SIM7600 Series_Compatibility_With_SIM800 _HTTP_ATC_V1.00



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Version History

Version	Date	Chapter	What is new
V1.00	2017-09-05		New version

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1 Introduction

The present document describes HTTP AT Commands which are compatible with SIM800 for the SIMCom Module:

SIM7500,SIM7600 series

2 AT commands

2.1 AT+HTTPINIT Start HTTP service

Description

This command is used to start HTTP service.

SIM PIN	References
YES	Vendor

Syntax

Execute Command	Responses
AT+ HTTPINIT	OK
	+CME ERROR: <err>

Defined values

<err>

Failure error .

Examples

```
AT+ HTTPINIT
OK
```

2.2 AT+ HTTPTERM Stop HTTP service

Description

This command is used to stop HTTP service

SIM PIN	References
YES	Vendor

Syntax

Execute Command	Responses
AT+ HTTPTERM	OK
	ERROR

Examples

```
AT+ HTTPTERM
OK
```

2.3 AT+HTTPPARA Set HTTP Parameters value

Description

This command is used to set HTTP parameters value

SIM PIN	References
YES	Vendor

Syntax

Write Command	Responses
AT+HTTPPARA=<tag>,<value>	OK
	ERROR

Defined values

<tag>

HTTP parameters:

"URL" (Mandatory Parameter) HTTP client URL

"http://server/path':tcpPort' " "server": FQDN or IP-address "path": path of file or directory

"tcpPort": default value is 80. Refer to "IETF-RFC 2616".

<value>

String

Examples

```
AT+ HTTPPARA ="URL","http://mywebserver.com/link"
OK
```

2.4 AT+HTTPACTION HTTP Method Action

Description

This command is used to action HTTP Method.

Syntax

Execute Command	Responses
AT+HTTPACTION=<method> <d>	OK +HTTPACTION: <method>,<statuscode>,<datalen>
	ERROR

Defined values

<method>

HTTP method specification:

- 0: GET
- 1: POST
- 2: HEAD

<statuscode>

HTTP Status Code responded by remote server, it identifier refer to HTTP1.1(RFC2616) :

- 100 Continue
- 101 Switching Protocols
- 200 OK
- 201 Created
- 202 Accepted
- 203 Non-Authoritative Information
- 204 No Content
- 205 Reset Content
- 206 Partial Content
- 300 Multiple Choices
- 301 Moved Permanently
- 302 Found
- 303 See Other
- 304 Not Modified
- 305 Use Proxy
- 307 Temporary Redirect
- 400 Bad Request
- 401 Unauthorized
- 402 Payment Required
- 403 Forbidden
- 404 Not Found

405 Method Not Allowed
406 Not Acceptable
407 Proxy Authentication Required
408 Request Time-out
409 Conflict
410 Gone
411 Length Required
412 Precondition Failed
413 Request Entity Too Large
414 Request-URI Too Large
415 Unsupported Media Type
416 Requested range not satisfiable
417 Expectation Failed
500 Internal Server Error
501 Not Implemented
502 Bad Gateway
503 Service Unavailable
504 Gateway Time-out
505 HTTP Version not supported
600 Not HTTP PDU
601 Network Error
602 No memory
603 DNS Error
604 Stack Busy

<datalen>

The length of data received

Examples

```
AT+HTTPACTION=0
```

```
OK
```

```
+HTTPACTION: 0, 200, 234119
```

2.5 AT+HTTPHEAD Read the HTTP Header Information of Server

Response

This command is used to read the HTTP server response header, related to AT+HTTPACTION=0

SIM PIN	References
YES	Vendor

Syntax

Execute Command	Responses
AT+HTTPHEAD=?	OK
AT+HTTPHEAD	+HTTPHEAD:<data_len> <data> OK
	ERROR

Defined values

<data_len>
The actual length for http header data output
<data>
Data from HTTP server

Examples

AT+HTTPHEAD
+HTTPHEAD: 750
HTTP/1.1 200 OK
Date: Thu, 17 Aug 2017 09:41:13 GMT
Content-Type: text/html
Content-Length: 14613
Last-Modified: Tue, 08 Aug 2017 12:43:00 GMT
Connection: Keep-Alive
Vary: Accept-Encoding
Set-Cookie: BAIDUID=285BFC3075260332B95818C087078966;FG=1; expires=Thu, 31-Dec-37 23:55:55 GMT; max-age=2147483647; path=/; domain=.baidu.com
Set-Cookie: BIDUPSID=285BFC3075260332B95818C087078966; expires=Thu, 31-Dec-37 23:55:55 GMT; max-age=2147483647; path=/; domain=.baidu.com
Set-Cookie: PSTM=1502962873; expires=Thu, 31-Dec-37 23:55:55 GMT; max-age=2147483647; path=/; domain=.baidu.com
P3P: CP=" OTI DSP COR IVA OUR IND COM "
Server: BWS/1.1

```
X-UA-Compatible: IE=Edge,chrome=1
Pragma: no-cache
Cache-control: no-cache
Accept-Ranges: bytes

OK
```

2.6 AT+HTTPREAD Read the HTTP server response

Description

This command is used to read the HTTP server response

SIM PIN	References
YES	Vendor

Syntax

Execute Command	Responses
AT+HTTPREAD=<start_addr>,<byte_size>	+ HTTPREAD: <datalen> <data> OK ERROR

Defined values

<start_addr>	The starting point for data output.
<byte_size>	The length for data output
<data>	Data from HTTP server or user input.

Examples

```
AT+HTTPREAD=0,3
+HTTPREAD: 3
<!D
OK
```

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