AT Command

Comparison Sheet

Version 1.0.2

http://www.wiznet.io/

1 Document Revision History

Version	Date	Descriptions
Ver. 1.0.0	28AUG2019	Initial Release
Ver. 1.0.1	16OCT2019	Modify AT+CIPSSLCCONF command according to the firmware version update Add AT+CASEND, AT+AZCON and AT+AZSET command according to the firmware version update
Ver. 1.0.2	22APR2021	Add AT+AWSCON, AT+AWSPKSEND, AT+CLICASEND according to the firmware version update

2 Comparison Table

The following table summarizes differences of the AT Command between WizFi360 and ESP8266.

<table>
<tr><th>Command</th><th>Description</th></tr>
<tr><td>AT+WAKEUPGPIO</td><td>WizFi360 does not support this command.
User can wake up the module using timer. If you set this command, WizFi360 will return ERROR</td></tr>
<tr><td>AT+RFPOWER</td><td rowspan="8">WizFi360 does not support this command.
If you set this command, WizFi360 will return ERROR.</td></tr>
<tr><td>AT+RFVDD</td></tr>
<tr><td>AT+SYSRAM</td></tr>
<tr><td>AT+SYSADC</td></tr>
<tr><td>AT+SYSMSG</td></tr>
<tr><td>AT+MDNS</td></tr>
<tr><td>AT+CIPRECVMODE</td></tr>
<tr><td>AT+CIPRECVDATA</td></tr>
<tr><td>AT+CIPRECVLEN</td></tr>
<tr><td>AT+RESTORE</td><td>There is a difference in setting parameter.
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Command</td><td>AT+RESTORE[=<type>]</td><td>AT+RESTORE</td></tr>
<tr><td>Parameter</td><td><type>: option parameter
• 0: Restore only station mac address factory setting (default)
• 1: Restore all factory setting</td><td>Restore all factory setting</td></tr>
</table></td></tr>
<tr><td>AT+SYSIOSETCFG</td><td rowspan="2">There is a difference in value of parameter(<pin> and <mode>).
Wizfi360 supports two modes and 12 pins, and ESP8266 supports 17 pins and 5 modes. For more details, refer to ESP8266 Pin List and Section 3.1.10 of WizFi360 AT Instruction set.</td></tr>
<tr><td>AT+SYSIOGETCFG</td></tr>
<tr><td>AT+CWJAP</td><td>There is a difference in setting parameter.
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Command</td><td>AT+CWJAP=<ssid>,<pwd>[,<bssid>]</td><td>AT+CWJAP=<ssid>,<pwd>,[<bssid>][,<pci_en>]</td></tr>
</table>
WizFi360 does not support <pci_en> parameter. If you set this parameter, WizFi360 will return ERROR.</td></tr>
<tr><td>AT+CWLAPOPT</td><td>There is a difference in value of parameter(<mask>).
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Parameter</td><td><mask>:</td><td><mask>:</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td>
<table>
<tr><td></td><td>- bit 0: <ecn>
- bit 1: <ssid>
- bit 2: <rssi>
- bit 3: <mac>
- bit 4: <ch>
- bit 5: reserved
- bit 6: reserved
- bit 7: reserved
- bit 8: reserved
- bit 9: reserved
- bit 10: <wps></td><td>- bit 0: <ecn>
- bit 1: <ssid>
- bit 2: <rssi>
- bit 3: <mac>
- bit 4: <ch>
- bit 5: <freq offset>
- bit 6: <freq calibration>
- bit 7: <pairwise_cipher>
- bit 8: <group_cipher>
- bit 9: <bgn>
- bit 10: <wps></td></tr>
</table>
WizFi360 does not support some bit. If you set this bit to 1, WizFi360 will return OK and it is not applied.
</td></tr>
<tr><td>AT+CWLAP</td><td>
There is a difference in returning parameter.
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Response</td><td>+CWLAP:([<ecn>,<ssid>,<rssi>,<mac>,
<channel>,<wps>])</td><td>+CWLAP:<ecn>,<ssid>,<rssi>,<mac>,
<channel>,<freq
offset>,<freqcali>,<pairwise_cipher>,<group_cipher>,<bgn>,<wps></td></tr>
</table>
</td></tr>
<tr><td>AT+CIPAPMAC</td><td>WizFi360 does not support setting AP MAC address. If you set this parameter, WizFi360 will return OK and it is not applied.</td></tr>
<tr><td>AT+CWCOUNTRY</td><td>
There is a difference in setting parameter.
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Command</td><td>AT+CWCOUNTRY_CUR=<policy>,<country_code>,<channel_option></td><td>AT+CWCOUNTRY_CUR=<country_policy>,<country_code>,<start_channel>,<total_channel_count></td></tr>
</table>
Selecting a channel in WizFi360 is different in ESP8266. If you set this command like ESP8266, WizFi360 will return ERROR. Because the number of parameters is different with ESP8266.
</td></tr>
<tr><td>AT+CIPSTART</td><td>WizFi360 does not support certificate in SSL Connection.</td></tr>
<tr><td>AT+CIPSSLCONF</td><td>
There is a difference in value of parameter(<SSL mode>).
<table>
<tr><th></th><th>WizFi360</th><th>ESP8266</th></tr>
<tr><td>Parameter</td><td><SSL mode >:
• 0: WizFi360 not checks certificate of SSL Server.
• 1: WizFi360 checks certificate of SSL Server. But WizFi360 connects to the server even if verification failed.
• 2: WizFi360 checks certificate of SSL Server. If verification failed, WizFi360 doesn't connect to the server.</td><td><SSL mode>:
• bit0 : if set to be 1, certificate and private key will be enabled, so SSL server can verify ESP8266; if 0, then will not.
• bit1 : if set to be 1, CA will be enabled, so ESP8266 can verify SSL server; if 0, then will not.</td></tr>
</table>
WizFi360 does not support some bit. If you set this parameter to any value other
</td></tr>
</table>

	than 0 ~ 2, WizFi360 will return ERROR.
AT+CASEND	ESP8266 does not support this command. For more details, refer to Section 3.3.5 of WizFi360 AT Instruction set.
AT+CIPSERVERMAXCONN	There is a difference in value of parameter(<num>). Maximum and default value of <num> are 4 in WizFi360, but 5 in ESP8266. If you set this parameter to 5, WizFi360 will return OK and it is not applied.
AT+MQTTSET	ESP8266 does not support this command. For more details, refer to Section 3.3.29 ~ 3.3.38 of WizFi360 AT Instruction set.
AT+MQTTTOPIC	
AT+MQTTCON	
AT+MQTTPUB	
AT+MQTTDIS	
AT+AZSET	
AZ+AZCON	
AT+AWSCON	
AT+AWSPKSEND	
AT+CLICASEND	

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