

AT Command Comparison Sheet

Version 1.0.2





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.

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



		1		
		- bit 0: <ecn></ecn>	- bit 0: <ecn></ecn>	
		- bit 1: <ssid></ssid>	- bit 1: <ssid></ssid>	
		- bit 2: <rssi></rssi>	- bit 2: <rssi></rssi>	
		- bit 3: <mac></mac>	- bit 3: <mac></mac>	
		- bit 4: <ch></ch>	- bit 4: <ch></ch>	
		- bit 5: reserved	- bit 5: <freq offset=""></freq>	
		- bit 6: reserved	- bit 6: <freq calibration=""></freq>	
		- bit 7: reserved	- bit 7: <pairwise_cipher></pairwise_cipher>	
		- bit 8: reserved	- bit 8: <group_cipher></group_cipher>	
		- bit 9: reserved	- bit 9: <bgn></bgn>	
		- bit 10: <wps></wps>	- bit 10: <wps></wps>	
	\\\:=E:2CO d	·		
		•	et this bit to 1, WizFi360 will return	
	OK and it is	s not applied.		
	There is a d	difference in returning parameter.		
	THERE IS A C	WizFi360	ESP8266	
		WIZFI360		
AT+CWLAP		CIANAD (+CWLAP: <ecn>,<ssid>,<rssi>,<mac>,<</mac></rssi></ssid></ecn>	
	Response	+CWLAP:([<ecn>,<ssid>,<rssi>,<mac>,</mac></rssi></ssid></ecn>	channel>, <freq< td=""></freq<>	
		<channel>,<wps>))</wps></channel>	offset>, <freqcali>,<pairwise_cipher>,<g< td=""></g<></pairwise_cipher></freqcali>	
			roup_cipher>, <bgn>,<wps></wps></bgn>	
	WizFi360 d	oes not support setting AP MAC	address. If you set this parameter,	
AT+CIPAPMAC	WizFi360 will return OK and it is not applied.			
	WIZEI300 W	ill return OK and it is not applied.		
	There is a difference in setting parameter.			
		<u></u>		
		WizFi360	ESP8266	
		WizFi360	ESP8266 AT+CWCOUNTRY CUR= <country pol<="" td=""></country>	
	Command	WizFi360 AT+CWCOUNTRY_CUR= <policy>,<country< td=""><td>AT+CWCOUNTRY_CUR=<country_pol< td=""></country_pol<></td></country<></policy>	AT+CWCOUNTRY_CUR= <country_pol< td=""></country_pol<>	
AT+CWCOUNTRY	Command		AT+CWCOUNTRY_CUR= <country_pol icy>,<country_code>,<start_channel></start_channel></country_code></country_pol 	
AT+CWCOUNTRY		AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy>,<country_code>,<start_channel> ,<total_channel_count></total_channel_count></start_channel></country_code></country_pol 	
AT+CWCOUNTRY	Selecting a	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy>,<country_code>,<start_channel> ,<total_channel_count> ESP8266. If you set this command</total_channel_count></start_channel></country_code></country_pol 	
AT+CWCOUNTRY	Selecting a	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy>,<country_code>,<start_channel> ,<total_channel_count></total_channel_count></start_channel></country_code></country_pol 	
AT+CWCOUNTRY	Selecting a like ESP826	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy>,<country_code>,<start_channel> ,<total_channel_count> ESP8266. If you set this command</total_channel_count></start_channel></country_code></country_pol 	
	Selecting a like ESP826 different wi	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bedith ESP8266.</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy="">,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is</total_channel_count></start_channel></country_code></country_pol>	
AT+CWCOUNTRY AT+CIPSTART	Selecting a like ESP826 different wi	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy="">,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is</total_channel_count></start_channel></country_code></country_pol>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bedith ESP8266.</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy="">,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection.</total_channel_count></start_channel></country_code></country_pol>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 66, WizFi360 will return ERROR. Becath ESP8266. oes not support certificate in SSL (</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy="">,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection.</total_channel_count></start_channel></country_code></country_pol>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Begin in ESP8266. oes not support certificate in SSL of difference in value of parameter(<</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>).</total_channel_count></start_channel></country_code></country_policy>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 66, WizFi360 will return ERROR. Bed th ESP8266. oes not support certificate in SSL of the compared of the comp</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>).</total_channel_count></start_channel></country_code></country_policy>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Begith ESP8266. oes not support certificate in SSL 0 difference in value of parameter(<s) <ssl="" mode="" wizfi360="">:</s)></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_pol icy="">,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <ssl mode="">:</ssl></total_channel_count></start_channel></country_code></country_pol>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 66, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL (difference in value of parameter(< Since WizFi360) <ssl mode="">: • 0: WizFi360 not checks certificate of SSL Server. • 1: WizFi360 checks certificate</ssl></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <ssl mode="">: • bit0: if set to be 1, certificate and private key will be enabled, so SSL</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 66, WizFi360 will return ERROR. Becauth ESP8266. oes not support certificate in SSL of the composition of t</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <ssl mode="">: • bit0: if set to be 1, certificate and</ssl></total_channel_count></start_channel></country_code></country_policy>	
	Selecting a like ESP826 different wi WizFi360 d	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of the support certificate in S</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. SSL mode>). ESP8266 <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.</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 different is a continuous and the continuou	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Because the ESP8266. oes not support certificate in SSL of the ESP8266. difference in value of parameter(<scounter seco<="" second="" th=""><th>AT+CWCOUNTRY_CUR=<country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy></th></scounter></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 different is a continuous and the continuou	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of the support certificate in S</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 different is a continuous and the continuou	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of the support certificate of SSL server. • 1: WizFi360 not checks certificate of SSL Server. But WizFi360 connects to the server even if verification failed. • 2: WizFi360 checks certificate of SSL Server. If verification</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 different is a continuous and the continuou	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of the ent in value of parameter(<scounts <ssl="" mode="" wizfi360="" ="">: • 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 connects to the server even if verification failed, WizFi360 doesn't connects to the server.</scounts></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 different is a continuous and the continuou	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of the composition of th</channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	
AT+CIPSTART	Selecting a like ESP826 different wi WizFi360 d There is a c	AT+CWCOUNTRY_CUR= <policy>,<country_code>,<channel_option> channel in WizFi360 is different in 6, WizFi360 will return ERROR. Bed ith ESP8266. oes not support certificate in SSL of difference in value of parameter(<scounter s<="" second="" th=""><th>AT+CWCOUNTRY_CUR=<country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy></th></scounter></channel_option></country_code></policy>	AT+CWCOUNTRY_CUR= <country_policy>,<country_code>,<start_channel>,<total_channel_count> ESP8266. If you set this command cause the number of parameters is Connection. ESL mode>). ESP8266 <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</ssl></total_channel_count></start_channel></country_code></country_policy>	



	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+CIPSERVERMAX CONN	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.</num></num>
AT+MQTTSET	
AT+MQTTTOPIC	
AT+MQTTCON	
AT+MQTTPUB	
AT+MQTTDIS	ESP8266 does not support this command. For more details, refer to Section
AT+AZSET	3.3.29 ~ 3.3.38 of <u>WizFi360 AT Instruction set</u> .
AZ+AZCON	
AT+AWSCON	
AT+AWSPKSEND	
AT+CLICASEND	



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