

	TELIT NE310H2/NL865H2	SIMCOM SIM7020			QUECTEL BC66-NA		
Chap	COMMAND	EXACT COMMAND	EQUIVALENT	Comment	EXACT COMMAND	EQUIVALENT	Comment
	Identification Commands						
3.1.	AT+CGMI	YES			YES		
3.2.	AT+CGMM	YES			YES		
3.3.	AT+CGMR	YES			YES		
3.4.	AT+CGSN	YES			YES		
3.5.	AT+CIMI	YES			YES		
3.6.	*MATREADY						
	AT+GMI	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT+GMM	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT+GMR	YES			DIFFERENT OR MISSING		
	AT+GOI	YES			DIFFERENT OR MISSING		
	AT+GSN	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT+ICF	YES			DIFFERENT OR MISSING		
	AT+CLCK	YES			YES		
	AT+CPWD	YES			YES		
	AT+CREG	YES			DIFFERENT OR MISSING		
	AT+CRSM	YES			DIFFERENT OR MISSING		
	AT+CSCS	YES			DIFFERENT OR MISSING		
	AT+CNUM	YES			DIFFERENT OR MISSING		
	AT+CPOL	YES			YES		
	AT+CSIM	YES			MISSING		
	AT+CTZR	YES	AT+CTZR		YES		
	AT+CPLS	YES			YES		
	General Commands						
4.1.	ATE	YES			YES		
4.2.	AT&D	YES			MISSING		
4.3.	ATV	YES			MISSING		
4.4.	AT+CFUN	YES			YES		
4.5.	AT+CMEE	YES			YES		
4.6.	+CME	Response					
4.7.	ATI	YES			YES		
	ATN1	YES			DIFFERENT OR MISSING		
	ATQ	YES			DIFFERENT OR MISSING		
	ATS2	YES			DIFFERENT OR MISSING		
	ATS3	YES			DIFFERENT OR MISSING		
	ATS4	YES			DIFFERENT OR MISSING		
	ATS5	YES			DIFFERENT OR MISSING		
	ATS10	YES			DIFFERENT OR MISSING		
	ATS12	YES			DIFFERENT OR MISSING		
	ATS25	YES			DIFFERENT OR MISSING		
	ATS95	YES			DIFFERENT OR MISSING		
	AT&C	YES			DIFFERENT OR MISSING		
	AT&F	YES			DIFFERENT OR MISSING		
	AT&K	YES			DIFFERENT OR MISSING		
	AT&V	YES			DIFFERENT OR MISSING		
	AT&W	YES			YES		
	Serial Interface Control Commands						
5.1.	AT+IPR	YES			YES		
5.2.	AT+IFC	YES			MISSING		
5.3.	AT#TCOMWRT	DIFFERENT OR MISSING	AT+CFLW	Flash write	MISSING		No uart update in guide
5.4.	AT+CMUX	YES			MISSING		no cmux in AT guide
	SIM Related Commands						
6.1.	AT+CPIN	YES			YES		
6.2.	AT*MICCID	DIFFERENT	AT+CCID	Show ICCID	DIFFERENT	AT+QCCID	USIM Card Identification
	Network Service Commands						
7.1.	AT+CEREG	YES			YES		

7.2.	AT+COPS	YES			YES		
7.3.	AT+CESQ	DIFFERENT OR MISSING	AT+CSQ	possibly duplicated command	YES		Extended Signal Quality
7.4.	AT+CSQ	YES			YES		
7.5.	AT+CTZU	YES			DIFFERENT OR MISSING	AT+CTZR	Time Zone Reporting
7.6.	AT+CCLK	YES			YES	AT+QCCLK	additional command to sete and get Date and UTC
7.7.	AT*MFRCLLK	DIFFERENT OR MISSING	AT+CELLLOCK	set ARFCN Which Needs to Be Locked	DIFFERENT OR MISSING	AT+QLOCKF AT+QCSEARFCN	Lock NB-IoT Frequency Clear NB-IoT Stored EARFCN List
7.8.	AT*MBAND	DIFFERENT OR MISSING	AT+CBAND	Get and Set Mobile Operation Band	DIFFERENT OR MISSING	AT+QBAND	Get and Set Mobile Operation Band
7.9.	AT*MBSC	DIFFERENT OR MISSING	AT+CBAND		DIFFERENT OR MISSING	AT+QBAND	
7.10.	AT*MENGINFO	DIFFERENT OR MISSING	AT+CENG	Report Network State	DIFFERENT OR MISSING	AT+QENG	Engineering Mode. This command is used to query current modem status information for serving cell
7.11.	AT*MNBIOTRAI	DIFFERENT OR MISSING	AT+CNBIOTRAI	NB-IOT Release Assistance Indication	DIFFERENT OR MISSING	AT+QNBIOTRAI	NB-IOT Release Assistance Indication
7.12.	AT*RRCRELEASE	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT+CCIOTOPT	YES			YES		
	AT+CCHO	YES			DIFFERENT OR MISSING		
	AT+CCHC	YES			DIFFERENT OR MISSING		
	AT+CGLA	YES			DIFFERENT OR MISSING		
	AT+CPINR	YES			DIFFERENT OR MISSING		
	AT+CGATT	YES			YES		
	AT+CGACT	YES			YES		
	AT+CGPADDR	YES			YES		
	AT+IPCONFIG	YES			DIFFERENT OR MISSING		
	AT+CGEREP	YES			DIFFERENT OR MISSING		
	AT+CGREG	YES			DIFFERENT OR MISSING		
	AT+CGPIAF	YES			DIFFERENT OR MISSING		
	AT+CGDEL	YES			DIFFERENT OR MISSING		
	AT+CGAUTH	YES			DIFFERENT OR MISSING		
	AT+CGDATA	YES			DIFFERENT OR MISSING		
	AT*MBANDSL	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT*MNBIOTDT	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
Power Saving Commands							
8.1.	AT+CEDRXS	YES			YES		
8.2.	AT+CEDRXRDP	YES			YES		
8.3.	AT*MEDRXCFCG	YES			DIFFERENT OR MISSING		
8.4.	AT+CPSMS	YES			YES		
8.5.	AT*MNBIOTEVENT	DIFFERENT OR MISSING	AT+CIOTOPT	CIoT optimization configuration +Additional features	DIFFERENT OR MISSING	AT+QNBIOTEVENT	Enable/Disable NB-IoT Related Event Report
PS-Domain commands							
9.1.	AT*MCGDEFCONT	YES			DIFFERENT OR MISSING	AT+QCGDEFCONT	
9.2.	AT+CGDCONT	YES			YES		
9.3.	AT+CGCONTRDP	YES			MISSING		
9.4.	+IP	Response	AT+IPCONFIG	Show the Complete PDP Address			
Hardware relative commands							
10.1.	AT+TRST	DIFFERENT OR MISSING	ATZ AT+CMAR AT+CRESET	Reset to default Master Reset Trigger WDT Reset	DIFFERENT OR MISSING	AT+QRST	Automatically Reset
10.2.	AT+TURNOFF	DIFFERENT OR MISSING	AT+CPOWD	Power off	DIFFERENT OR MISSING	AT+QPOWD	
10.3.	AT#TADC	DIFFERENT OR MISSING	AT+CADC	Read ADC	MISSING		
10.4.	AT#TCONTLED	DIFFERENT OR MISSING	AT+SLEDS AT+CNETLIGHT	Set the Timer Period of Net Light Close the Net Light or Open It to Shining	MISSING		
10.5.	AT+EGPIO	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
SNTP network AT commands							
11.1.	AT+ESNTPSTART	DIFFERENT OR MISSING	AT+CSNTPSTART		MISSING		
11.2.	AT+ESNTPSTOP	DIFFERENT OR MISSING	AT+CSNTPSTOP		MISSING		
11.3.	+ESNTP	Response	+CSNTP				

SMS Commands							
12.1.	AT+CSMS	YES			MISSING		
12.2.	AT+CSCA	YES			MISSING		
12.3.	AT+CMGS	YES			MISSING		
12.4.	AT+CNMA	YES			MISSING		
12.5.	+CMS	Response					
TCP/IP Relative commands							
13.1.	AT+ESOC	DIFFERENT OR MISSING	AT+CSOC		DIFFERENT OR MISSING	AT+QIOPEN	
	AT+ESOB	DIFFERENT OR MISSING			DIFFERENT OR MISSING		
	AT+ESOCN	DIFFERENT OR MISSING	AT+CSOCN		DIFFERENT OR MISSING	AT+QIOPEN	
	AT+ESOSEND	DIFFERENT OR MISSING	AT+CSOSEND AT+CSODSEND	Send Data to Remote via Socket Send Data to Remote via Socket with Data Mode	DIFFERENT OR MISSING	AT+QISEND AT+QISENDEX	Send Hex/Text String Data Send Hex String Data
	AT+ESOCL	DIFFERENT OR MISSING	AT+CSOCL		DIFFERENT OR MISSING	AT+QICLOSE	
	+ESONMI	Response	+CSONMI				
	+ESOERR	Response	+CSOERR				
	AT+PING	DIFFERENT OR MISSING	AT+CIPPING		DIFFERENT OR MISSING	AT+QPING	
MQTT Relative commands							
14.1.	AT+EMQNEW	DIFFERENT OR MISSING	AT+CMQNEW		DIFFERENT OR MISSING	AT+QMTOPEN	Open a Network for MQTT Client
14.2.	AT+EMQCFG	DIFFERENT OR MISSING	AT+CMQTTSNEW	Gosuncn command sets SSL parameters here, while Simcom have dedicated command MQTTS	DIFFERENT OR MISSING	AT+QMTCFG	Configure Optional Parameters of MQTT
	AT+EMQCON	DIFFERENT OR MISSING	AT+CMQCON		DIFFERENT OR MISSING	AT+QMTCONN	
	AT+EMQDISCON	DIFFERENT OR MISSING	AT+CMQDISCON		DIFFERENT OR MISSING	AT+QMTCLOSE AT+QMTDISC	Close a Network for MQTT Client Disconnect a Client from MQTT Server
	+EMQDISCON	Response					
	AT+EMQSUB	DIFFERENT OR MISSING	AT+CMQSUB		DIFFERENT OR MISSING	AT+QMTSUB	
	AT+EMQUNSUB	DIFFERENT OR MISSING	AT+CMQUNSUB		DIFFERENT OR MISSING	AT+QMTUNS	
	AT+EMQPUB	DIFFERENT OR MISSING	AT+CMQPUB		DIFFERENT OR MISSING	AT+QMTSUB	
	+EMQPUB	Response					
CoAP Relative commands							
15.1.	AT+ECOAPNEW	DIFFERENT OR MISSING	AT+CCOAPNEW		MISSING	According to website, CoAP under development	
	AT+ECOAPSEND	DIFFERENT OR MISSING	AT+CCOAPSEND AT+CCOAPCSEND	Simcom has additional command for ACK	MISSING		
	AT+ECOAPDEL	DIFFERENT OR MISSING	AT+CCOAPDEL		MISSING		
	AT+ECOAPNMI	DIFFERENT OR MISSING	+CCOAPNMI		MISSING		
FTP Commands							
16.1.	AT+FTPOPEN	MISSING			MISSING		
	AT+FTPCLOSE	MISSING			MISSING		
	AT+FTPSIZE	MISSING			MISSING		
	AT+FTPGET	MISSING			MISSING		
	AT+FTPPUT	MISSING			MISSING		
HTTP/HTTPS Relative commands							
17.1.	AT+EHTTPCREATE	DIFFERENT OR MISSING	AT+CHTTPCREATE AT+CHTTPCREATEEXT	Create HTTP/HTTPS Client instance. Simcom uses extra command for multi package. Gosuncn single command (maybe lenght	MISSING		
17.2.	AT+EHTTPCON	DIFFERENT OR MISSING	AT+CHTTPCON		MISSING		
	AT+EHTTPDISCON	DIFFERENT OR MISSING	AT+CHTTPDISCON		MISSING		
	AT+EHTTPDESTROY	DIFFERENT OR MISSING	AT+CHTTPDESTROY		MISSING		
	AT+EHTTPSEND	DIFFERENT OR MISSING	AT+CHTTPSEND AT+CHTTPSENDEXT	Send HTTP/HTTPS. Simcom uses extra command for multi package. Gosuncn single command (maybe lenght limitation?)	MISSING		
	+EHTTPNMIH	Response	+CHTTPNMIH				
	+EHTTPNMIC	Response	+CHTTPNMIC				
	+EHTTPERR	Response	+CHTTPERR				
NIDD Relative commands							
18.1.	AT+NIDD	MISSING			MISSING		

LWM2M Relative commands							
19.1.	AT+ELMCONF	DIFFERENT OR MISSING	AT+CLMCONF		DIFFERENT OR MISSING	AT+QLWCONFIG AT+QLWCFG	Configure the Registration Parameters Configure Optional Registration Parameters
	AT+ELMADDOBJ	DIFFERENT OR MISSING	AT+CLMADDOBJ		DIFFERENT OR MISSING	AT+QLWADDOBJ	
	AT+ELMDELOBJ	DIFFERENT OR MISSING	AT+CLMDELOBJ		DIFFERENT OR MISSING	AT+QLWDELOBJ	
	AT+ELMREAD	DIFFERENT OR MISSING	AT+CLMREAD		DIFFERENT OR MISSING	AT+QLWRDRSP	Respond to the Read Request
	AT+ELMWWRITE	DIFFERENT OR MISSING	AT+CLMWWRITE		DIFFERENT OR MISSING	AT+QLWWRSP	Respond to the Write Request
	AT+ELMEXECUTE	DIFFERENT OR MISSING	AT+CLMEXECUTE		DIFFERENT OR MISSING	AT+QLWEXERSP	Respond to the Execute Request
	+ELMOBSERVE	DIFFERENT OR MISSING	+CLMOBSERVE		DIFFERENT OR MISSING	AT+QLWOBSRSP	Respond to the observe request
	+ELMPARAMETER	Response	+CLMPARAMETER				
	AT+ELMNOTIFY	DIFFERENT OR MISSING	AT+CLMNOTIFY		DIFFERENT OR MISSING	AT+QLWNOTIFY	
	AT+ELMDEL	DIFFERENT OR MISSING	AT+CLMDEL		DIFFERENT OR MISSING		
TLS newwork AT commands							
20.1.	AT+ETLSCFG	DIFFERENT OR MISSING	AT+CTLSCFG		MISSING		
	AT+ETLSCONN	DIFFERENT OR MISSING	AT+CTLSCONN		MISSING		
	AT+ETLSCLOSE	DIFFERENT OR MISSING	AT+CTLSCLOSE		MISSING		
	AT+ETLSSEND	DIFFERENT OR MISSING	AT+CTLSEND		MISSING		
	AT+ETLSRECV	DIFFERENT OR MISSING	AT+CTLRECV		MISSING		
DNS command							
	AT+EDNS	DIFFERENT OR MISSING	AT+CDNSCFG	Configure Domain Name Server	DIFFERENT OR MISSING	AT+QIDNSCFG	Configure DNS Server Address
	FOTA (UNDER DEVELOPMENT)	DIFFERENT OR MISSING	AT+CFOTA	Simcom has additional commands	DIFFERENT OR MISSING	AT+QFOTADL	One single command for automatic updatwe