

Command	=	Function	OPTIONS	Default	Comments	C1.0	Release C1.1	C1.2
Internal Access Point Commands								
A0		Activate Acces Point	None	*****		X	✓	✓
A?		Show Settings	None	*****	AP IP Address, DHCP Status	X	✓	✓
Host Interface Commands								
B?		Show Setting - Comm Interface	None	*****	USART	✓	✓	✓
Connect Commands								
C0		Join network	None	*****		✓	✓	✓
C1		Set SSID	None	None		✓	✓	✓
C3		Set Security Type	0-4	None	0=Open, 1=WEP, 2=WPA, 3=WPA2-AES, 4=WPA2 Mixed	✓	✓	✓
C4		Set DHCP	TRUE/FALSE	TRUE	0 = False, 1 = True	✓	✓	✓
C5		Set IP Version	IPv4/IPv6	IPv4	0 = IPv4, 1=IPv6	IPv4 Only	IPv4 Only	IPv4 Only
C6		Set IP Address	XXX.XXX.XXX.XXX	192.168.1.1		✓	✓	✓
C7		Set IP Mask	XXX.XXX.XXX.XXX	255.255.255.0		✓	✓	✓
C8		Set Gateway	XXX.XXX.XXX.XXX	192.168.1.1		✓	✓	✓
C9		Set Primary DNS	XXX.XXX.XXX.XXX	0.0.0.0		X	X	✓
CA		Set Secondary DNS	XXX.XXX.XXX.XXX	0.0.0.0		X	X	✓
CB		Set Join Retries	1 - 10	5		✓	✓	✓
CC		Auto Connect	Enable/Disable	Disable	0=Disabled, 1=Enabled (Network info must by save to flash prior to power off)	X	X	✓
CD		Disconnect from Network	None	*****		✓	✓	✓
CE		WEP Encryption Bit Size	64/128	64		X	X	✓
CR		Get RSSI of attached AP	None	*****		X	X	✓
C?		Show Settings	None	*****		✓	✓	✓
USB Commands								
E2		HID Keep-alive enable	Disable/Enable	0	0=Disabled, 1=Enabled	X	X	✓
Find Networks Commands								
F0		Find Networks	None	*****		✓	✓	✓
F1		Set Repeat	0-255	0		✓	✓	✓
F2		Set Delay	0-5000 ms	1000		✓	✓	✓
F?		Show Settings	None	*****		✓	✓	✓
GPIO/ADC Commands								
G2		Read GPIO/ADC	Pin #,Type	*****	Types: 2=Button, 3=Digital Input, 5 =ADC	X	X	✓
G3		Write GPIO	Pin #,Type,Value	*****	Types: 1=LED, 4=Digital Output	X	X	✓
G4		GPIO Setup	Pin #,Type	*****	Types: 1=LED, 2=Button, 3=Digital Input, 4=Digital Output, 5=ADC	X	X	✓
G?		Show Settings	None	*****		X	X	✓
Help Commands								
H?		Show Help	None	*****		✓	✓	✓
Information Commands								
I0		Get Application Information	None	*****		*	Deprecated	X
I1		Get Firmware Information	None	*****		*	Deprecated	X
I2		Get API Information	None	*****		*	Deprecated	X
I3		Get Stack Information	None	*****		*	Deprecated	X
I4		Get RTOS Information	None	*****		*	Deprecated	X
I?		Show Revision Information	None	*****		✓	✓	✓
Protocol Commands								
P1		Set Transport protocol	0-2	0	0 - TCP, 1 - UDP, 2 - UDP LITE	✓	✓	✓
P2		Set Local Port	0-65536	None		✓	✓	✓
P3		Remote Host IP Address	XXX.XXX.XXX.XXX	None		✓	✓	✓
P4		Remote Port	0-65536	None		✓	✓	✓
P5		Stop/Start TCP Server	0-1	0	0 - stop, 1 - start	✓	✓	✓
P6		Stop/Start TCP Client	0-1	0	0 - stop, 1 - start	✓	✓	✓
P7		Start/Stop Request TCP Accept	0-3	0	0 - stop, 1 - start Accept loop, 2 - close current socket, 3 - Next TCP Accept Request	✓	✓	✓
P8		Listen backlog	0-30	8		✓	✓	✓
PR		Packet Write, Ethernet	0-4	0	0 - Off, 1 - All, 2 - non-ARP, 3 - Copy, 4 - Copy non-ARP	X	X	✓
PW		Packet Read, Ethernet	None	*****	Host_Network_Ethernet_Data_Packet	X	X	✓
P?		Show Settings	None	*****		✓	✓	✓
Receive Data Commands								
R0		Receive Data		None		✓	✓	✓
R1		Set data packet size	1 - 1460			✓	✓	✓
R2		Receive Timeout	0 - 30000 ms			✓	✓	✓
R3		Set Receive Mode	0,1	0	0=Normal, 1=Timeout and No Data message are suppressed	X	X	✓
R?		Show Settings	None	*****		✓	✓	✓
Send Data Commands								
S0		Send Data		None		✓	✓	✓
S1		Set data packet size	1 - 1460			✓	✓	✓
S2		Send Timeout	0 - 30000 ms			✓	✓	✓
S?		Show Settings	None	*****		✓	✓	✓
Ping Commands								
T0		Ping		None		✓	✓	✓
T1		Set Target Address	XXX.XXX.XXX.XXX	None		✓	✓	✓
T2		Set Repeat	0-255	0		✓	✓	✓
T3		Set Delay	0-5000ms	0		✓	✓	✓
T?		Show Settings	None	*****		✓	✓	✓
UART Commands								
U0		Activate Change	None	*****		✓	✓	✓
U2		Set BAUD Rate	1200 - 921600	115200	1200 - 921600	✓	✓	✓
U?		Show Settings	None	*****		✓	✓	✓
Systems								
Z0		Factory Modes						
Z0		Reset to Factory Defaults	None	*****	Restores current setting to factory default	X	X	✓
Z1		Save Current Settings	None	*****	Saves current setting base upon setting from Z3 command	X	X	✓
Z2		Clear Saved Settings	None	*****	Based upon setting from Z3 command, Will not clear factory space when locked.	X	X	✓
Z3		Set Factory/User Space	0/1	Factory	0= Factory Space, 1=User Space, factory space locked by ZF Command	X	X	✓
Z4		Set MAC Address FS/US	XX:XX:XX:XX:XX:XX	00:22:F4:09:0E:08	Set MAC address	X	X	✓
Z5		Get MAC Address			Get current MAC address	X	X	✓
Z6		Set AP IP Address FS/US	XXX.XXX.XXX.XXX	192.168.1.1	Set Access Point address	X	X	✓
Z7		Set WPS Pin Number FS/US	XXXXXXXX	12345678	Set WPS pin (WPS feature to be added in future release)	X	X	✓
Z8		Get WPS Pin Number FS/US			Get current WPS pin (WPS feature to be added in future release)	X	X	✓
Z9		Set USB VID/PID FS/US	XXXX,XXXX		Set USB Vendor ID/Product IP (Ex. 0A5C, 43FA)	X	X	✓
ZC		Clear Factory Switch	Unset, bit7 = 0	*****	***** EVB Onlys, Not in production releases *****	X	X	✓
ZD		Flash Dump	0,1		Dump based upon setting from Z3 command	X	X	✓
ZF		Set Factory Switch	Set, bit7 = 1	*****	Once Set FS settings are locked	X	X	✓
ZN		Set Product Name	None	Inventek Systems eS-WIFI	40 Characters + NULL	X	X	✓
ZP		Power Management	Feature, Enable/Disable/Interval		Feature: 0 - WiFi On/Power Save OFF, 1 - Power Save Mode, 2 - Beacon Listen Interval (1-60), 3 - WiFi OFF, 4 - WiFi Reset, 7 PM Status	X	X	✓
ZR		Reset Module	None	*****	Software controlled reset.	X	X	✓
ZU		Firmware Upgrade	None	*****	Starts firmware upgrade using internal bootloader(M3G Modules only)	X	X	✓
Z?		Show State	None	*****	Based upon setting from Z3 command	X	X	✓
\$\$\$		Enter CMD Mode	None	*****	Human readable responses	✓	✓	✓
---		Exit CMD Mode	None	*****	Machine readable responses	✓	✓	✓
Note								
FS		Factory Switch feature						
*		Not Supported, but does not return an error.						