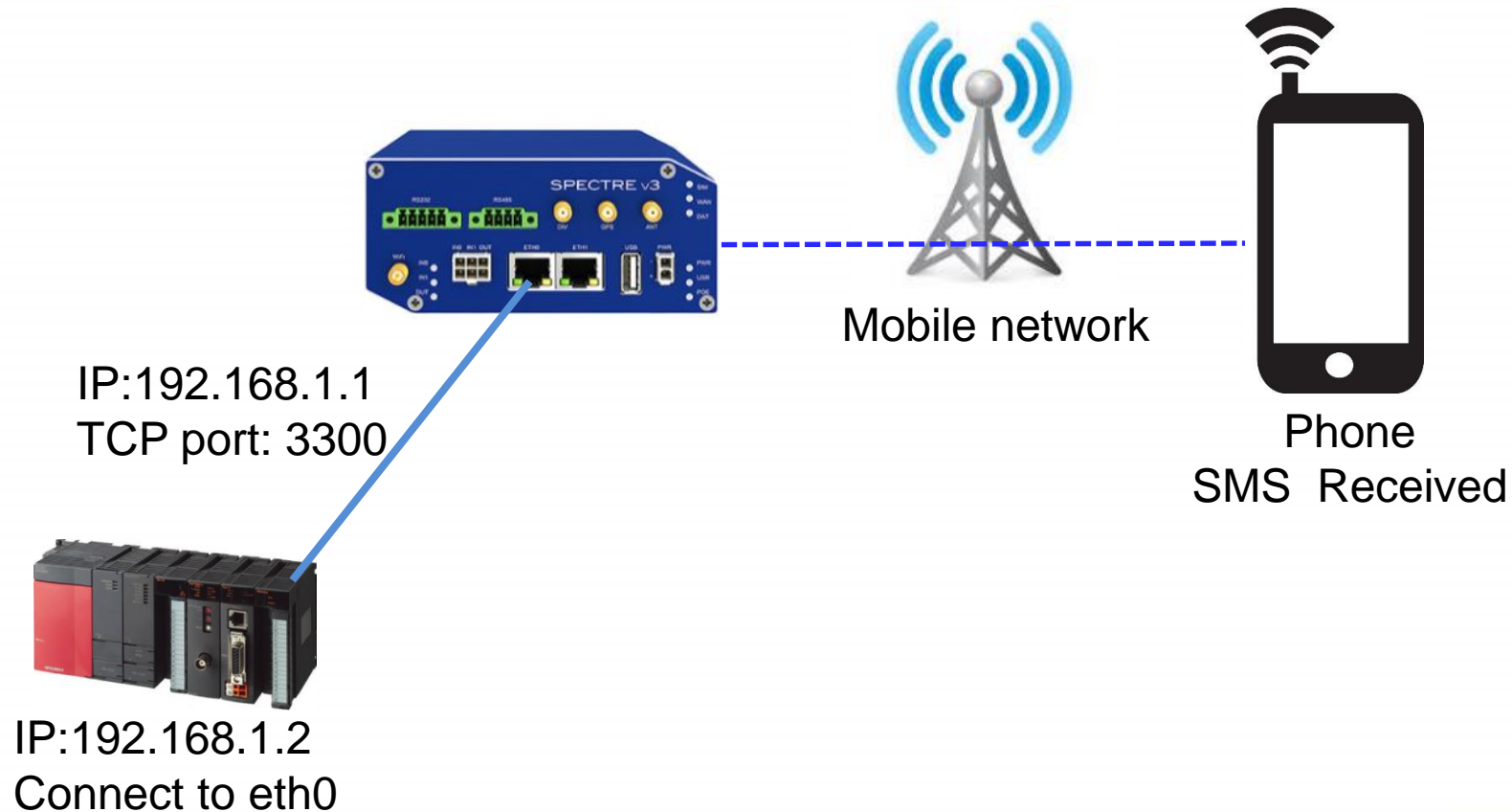


SOP Sending SMS by AT command over TCP

Send SMS by using AT command over TCP

Scenario:

- Use PLC to send out AT command to Router and it will send out SMS message to your cell phone.



Send SMS by using AT command over TCP

Configuration on router

Status

- General
- Mobile WAN
- WiFi
- Network
- DHCP
- IPsec
- DynDNS
- System Log

Configuration

- LAN
- VRRP
- Mobile WAN
- PPPoE
- WiFi
- Backup Routes
- Static Routes
- Firewall
- NAT
- OpenVPN
- IPsec
- GRE
- L2TP
- PPTP
- 1. **Services**
 - DynDNS
 - FTP
 - HTTP
 - NTP
 - PAM
 - SNMP
 - SMTP
 - 2. **SMS**

Send SMS on power up

Send SMS on connect to mobile network

Send SMS on disconnect from mobile network

Send SMS when datalimit is exceeded

Send SMS when binary input on I/O port (BIN0) is active

Add timestamp to SMS

Phone Number 1

Phone Number 2

Phone Number 3

Unit ID *

BIN0 - SMS *

Enable remote control via SMS

Phone Number 1

Phone Number 2

Phone Number 3

Enable AT-SMS protocol on expansion port 1

Baudrate

Enable AT-SMS protocol on expansion port 2

Baudrate

3. Enable AT-SMS protocol over TCP

TCP Port 4.

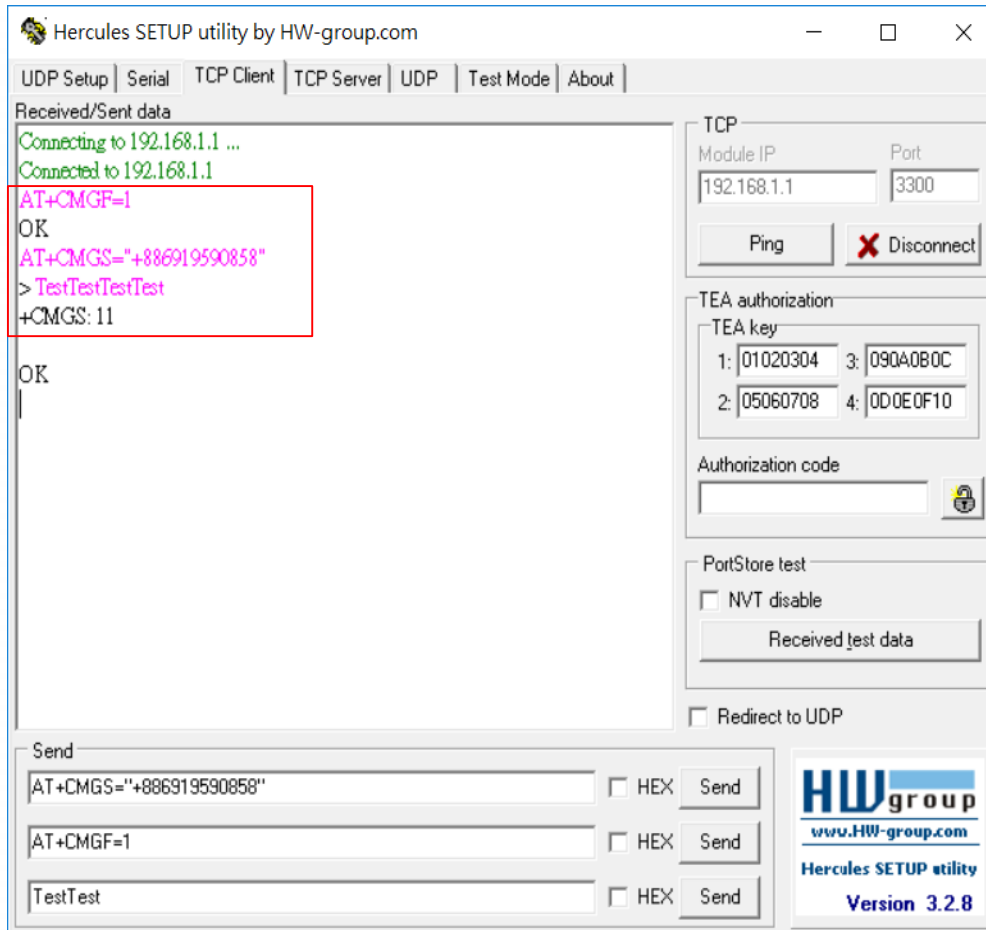
* can be blank

■ Create a random port for this service.

■ Avoid setting a existing port number.

Send SMS by using AT command over TCP

Tool and Command introduction



Tool:

- Hercules is a free TCP tool to simulate as PLC

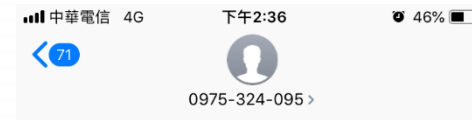
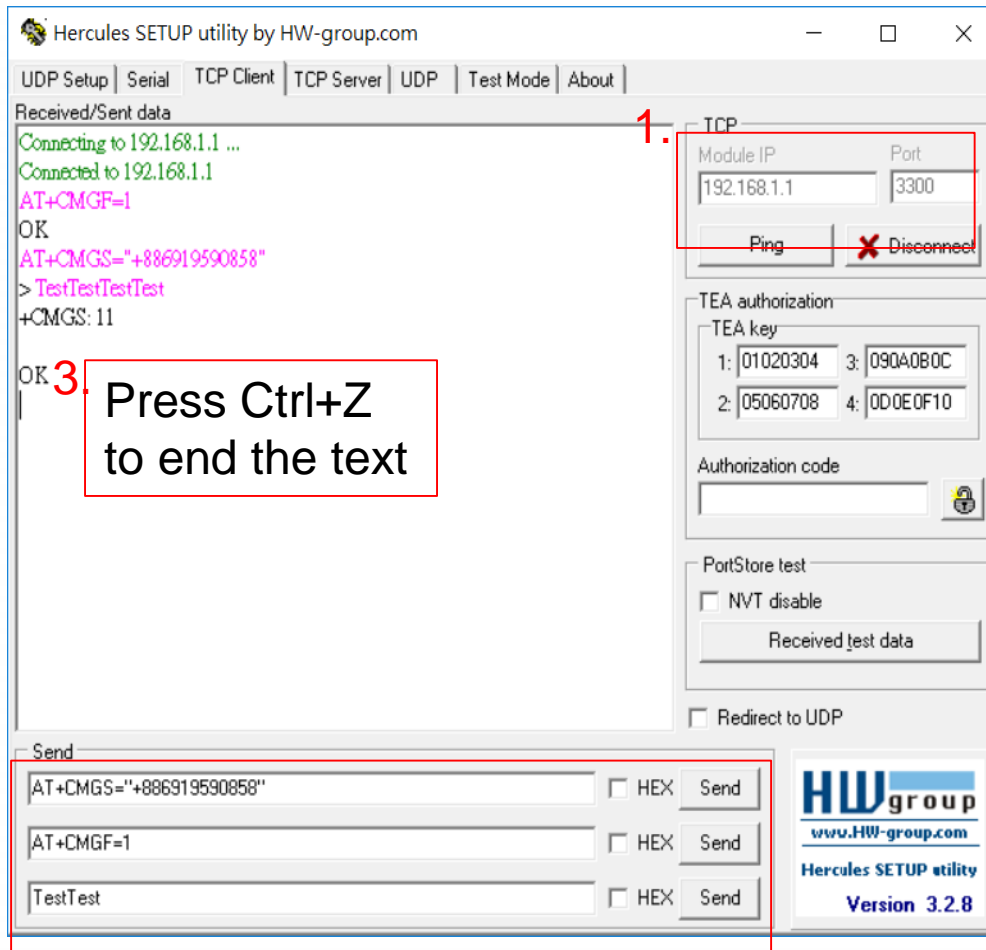
Command:

1. AT+CMGF = 1
Sets the presentation format of messages. 0 for PDU mode. 1 for text mode.
2. AT+CMGS = "phone number"
National code should be added. After arrow shows up, type the context.

Note: PDU mode is to command with bit stream.

Send SMS by using AT command over TCP

- Hercules is a free TCP tool. It can help us to send AT command and receive the feedback from router. In this case, using PC with Hercules installed to simulate as PLC



1. Connect to router with the port you set on router.
2. Send the AT command.
3. Press Ctrl+Z to end the text and transmit AT command to router.
4. SMS is received on your mobile phone.

