

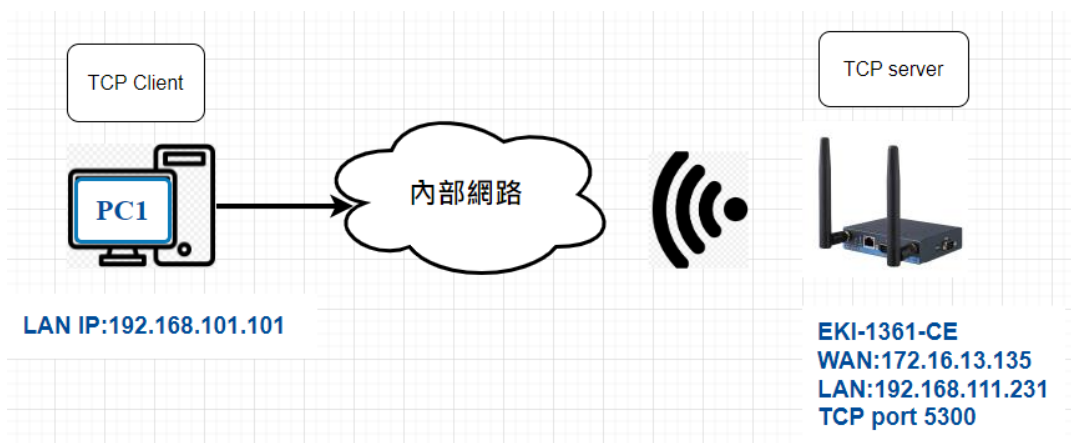
Advantech AE Technical Share Document

Date	2023/05/26	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	Win10, Win7
Abstract	How to set up USDG mode of EKI-1361-CE		
Keyword	USDG mode EKI-1361		
Related Product	EKI-1361-CE		

■ Description:

EKI-1361-CE 提供 USDG sever mode 功能。可以讓 EKI-1361 作為 TCP sever，使用者電腦 (TCP Client) 可以透過 TCP 協定的 5300 port，連線此 EKI-1361，進而傳送資料。

此架構需先確保使用者電腦 IP，經由內部網路可以 ping 到 EKI-1361 的 IP



■ Brief Solution - Step by Step:

- ◆ 先針對 EKI-1361 的 WAN 和 LAN IP 設定
EKI 的 LAN1 IP:192.168.111.231
EKI 作為 WIFI client 連線到現場網路環境 WIFI AP 拿到
WAN IP:172.16.13.135
WAN Gateway: 172.16.13.254

ADVANTECH EKI-1361-CE WLAN Serial Device Server			Logout
<ul style="list-style-type: none"> Port Configuration Monitor Alarm Administration 	Information Name		Information Value
	Firmware Version		1.05
	Local Hostname		
	System Time		Fri Mar 10 06:22:20 GMT 2023
	System Up Time		0 day 0 hr 45 min 4 sec
	System Platform		EKI-1361-CE
	Memory		
	Information Name		Information Value
	Total Available		63404 KB
	Free		75960 KB
	Buffered		5412 KB
	Local Network		
	Information Name		Information Value
	Local IP Address		192.168.111.231
	Local Netmask		255.255.255.0
	MAC Address		74:FE:48:78:50:84
	WAN Network		
	Information Name		Information Value
	WAN IP Address		172.16.13.135
	WAN Netmask		255.255.255.0
	WAN Default Gateway		172.16.13.254
	DNS1		192.168.1.1
	DNS2		192.168.1.2

◆ EKI-1361 設定 USDG server mode

- 1) Port Configuration>>Port1
- 2) Mode>>USDG Data mode
- 3) 其他參數預設即可>>Data Listen Port 5300/Command Listen Port 5400

ADVANTECH EKI-1361-CE WLAN Serial Device Server		Logout
<ul style="list-style-type: none"> Overview Network Settings Wireless Settings Port Configuration Port 1 Monitor Alarm Administration 	Home / Port Configuration / Port 1	
	<div>Basic Operation Advanced</div>	
	Port Operation Configuration	
	Mode	USDG Data Mode
	Protocol	TCP
	Data Idle Timeout(s)	60 (0 - 65535)
	Data Listen Port	5300 (1 - 65535)
	Command Listen Port	5400 (1 - 65535)
	Response Timeout(ms)	0 (0 - 65535)
	Frame Break(ms)	0 (0 - 65535)
TCP Mode Extra Options		
Auto Connect To Peer IP <input type="checkbox"/>		
Port Data Buffering		
Media	NONE	
When Data Full	Stop	
Pack Conditions (Packet sent immediately when reach 1024 Bytes)		
<input type="checkbox"/> By Size <input type="text"/> Bytes (1 - 1024)		

- ◆ 開啟 Port Forwarding 功能
 - 1) Start/End/Local port 5300
 - 2) Local IP:192.168.111.231

ADVANTECH EKI-1361-CE WLAN Serial Device Server

Home / Network Settings / Forwarding / Port Forwarding

Port Forwarding (Only for wireless wan mode)

Enabled	Name	Start Port	End Port	Local IP	Local Port	Protocol	Delete
<input checked="" type="checkbox"/>	TEST	5300	5300	192.168.111.231	5300	TCP	Delete

Add Apply

- ◆ PS:若連線電腦 IP，網路和 EKI-1361 的 WAN IP 不同。
範例中 TCP client 電腦 IP:192.168.101.101。
請在 EKI-1361 的 LAN Gateway IP 設定為與 WAN Gateway: 172.16.13.254 相同。

ADVANTECH EKI-1361-CE WLAN Serial Device Server

Home / Network Settings / LAN

LAN Interface Setup

Local Hostname

Domain Name lan

Network Mode Static IP

IP Address 192.168.1.3

Subnet Mask 255.255.255.0

Default Gateway 172.16.13.254

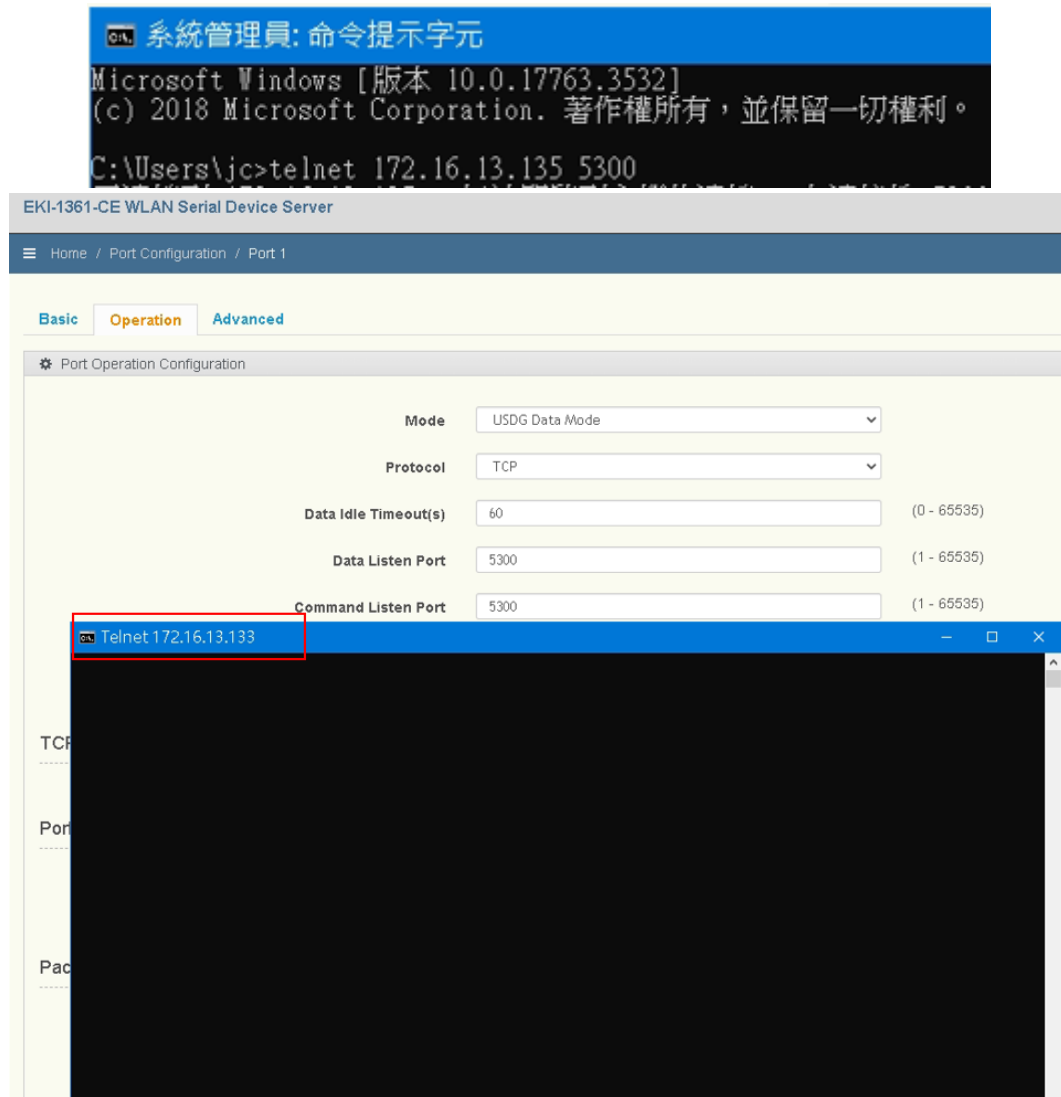
DNS Automatic Specific

Speed & Duplex Auto-Negotiation

MAC Address 74:FE:48:73:4D:72

◆ TCP client 電腦使用命令提示字元

1) 輸入:telnet 172.16.13.135 5300>>可以順利連線



Contact Window and File Link:

<https://www.advantech.com/zh-tw/support/details/manual?id=1-293WG6K>