UHF RFID 機器人讀寫器 AT Command

Model : WS-RFIDBY

1st Edition

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RHID SHI

17, April, 2017

V1.01

Installation Direction (安裝在牆壁上)



WS-RFIDBY-TCP (網線插入、電源插入)



RS-232 及 RS-485 接線方式 (WS-RFIDBY-RS232 and WS-RFIDBY-RS485)



燈號指示說明

連接指示燈:有連接網路時燈號恆亮 狀態指示燈:待機狀態=綠燈恆亮 讀取 Tag=藍燈恆亮 2 秒 設備異常=紅燈恆亮 更新模式=綠燈閃爍



網路設定方式 (WS-RFIDBY-TCP Only)

- 1. 將 WS-RFIDBY-TCP 插入電源及網路線 (連接電腦或是區域網路)。
- 2. 執行 All in one NET tools,開啟後畫面如下:

Wenshing All in one NET tools

Parameters:				Setup via	COM		
work mode:	MOD-SERVER-RTU 🔻	Enable DHCP			Read via COM	Setup via COM	
Default Gateway:	192.168.001.001	Get Device IP			Read Factory	Set Factory	
Subnet mask:	255.255.255.000	Get Gateway IP	V	[]	Restore Factory	Factory Setting	
Device IP:	192.168.001.002	Get DNS Server		Setup via	NET		
Device port:	10006				Search in LAN	Setup via NET	
Mac Address:	00-A5-89-C2-61-63	Enable DNS		E	Read Factory	Set Factory	
estination IP:	192.168.001.003	First DNS server		Ē	Restore Factory	Factory Setting	
estination Port:	10006	202.096.123.223		Online Dev	ico		
Baud Rate(bps):	115200 👻 💟	Second DNS server		Device IP Mac Address Version T			
Data/Parity/stop:	8 • NONI • 1 •	202.096.123.223					
elay Send(ms):	50 👻 ms (毫秒) 💟	DNS Website					
D: 01 🗖 🕬	onnect 🔲 data 💭 reset 💭	sha.iejy.net					
Version: V42	Type NNZN						
Updata All Online	e Device	Save Default					

3. 搜尋區域網路內的設備,點選"Search in LAN"的按鍵:

ameters:			Setup via COM		
ork mode:	MOD-SERVER-RTU 🔻	Enable DHCP	Read via COM	Setup via COM	
fault Gateway:	192.168.001.001	/ Get Device IP	Read Factory	Set Factory	
bnet mask:	255.255.255.000	Get Gateway IP	Restore Factory	Factory Setting	
evice IP:	192.168.001.002	Get DNS Server	Setup via NET		
evice port:	10006		Search in LAN	Setup via NET	
ac Address:	00-A5-89-C2-61-63	Enable DNS	Read Factory	Set Factory	
estination IP:	192.168.001.003	First DNS server	Restore Factory	Factory Setting	
estination Port:	10006	202.096.123.223	Opline Davise		
ud Rate(bps):	115200 👻 [Second DNS server	Device IP Mac Address Version T		
ata/Parity/stop:	8 - NONI - 1 -	202.096.123.223	192.168.003.080 00-A6-9C-/	C-A0-0B-08 V20 NNZN-TCP232	
elay Send(ms):	50 ▼ ms (毫秒) [DNS Website			
): 01 🗖 co	onnect 🔲 data 📄 reset [sha.iejy.net			
ersion: V42					

4. 搜尋到設備後會再下面顯示出該設備的 IP 位置:

C	Online Device				
	Device IP	Mac Address	Version	Туре	
	192.168.003.080	00-A6-9C-A0-0B-08	V20 N	NZN-TCP232	

5. 讀取網路設定參數,點擊兩次搜尋到的設備 IP 後會自動讀取目前的設定並再左邊 "Parameters"顯示出來:

arameters:				Setup via COM
work mode:	TCP-CLIENT 🔻	Enable DHCP		Read via COM Setup via COM
Default Gateway:	192.168.003.250	Get Device IP		Read Factory Set Factory
Subnet mask:	255.255.255.000	Get Gateway IP	\square	Restore Factory Factory Setting
Device IP:	192.168.003.080	Get Subnet Mask		Setup via NET
Device port:	08080			Search in LAN Setup via NET
Mac Address:	00-A6-9C-A0-0B-08	Enable DNS		Read Factory Set Factory
Destination IP:	192.168.003.100	First DNS server		Restore Factory Factory Setting
Destination Port:	08080	000.000.000.000		
Baud Rate(bps):	115200 👻 📝	Second DNS server		Device IP Mac Address Version Type
Data/Parity/stop:	8 🔹 NONI 👻 🛛 👻	000.000.000.000	$\overline{\mathbb{V}}$	192.168.003.080 00-A6-9C-A0-0B-08 V20 NNZN-TCP232
Delay Send(ms):	50 🔻 ms (毫秒) 📝	DNS Website		
ID: 1 🗆 🗆 🕬	onnect 🔲 data 📄 reset 🕅	leer		
Version • V20	Type NNZN-TCP232			

1. 修改網路設定參數,直接再左邊"Parameters"修改適合的設定,並按"Setup via NET"進行修改:(不可使用 Port 5978)

ameters:					Setup via COM	
ork mode:	TCP-CLIENT		Enable DHCP		Read via COM	Setup via COM
fault Gateway:	192.168.003.250	$\overline{\vee}$	Get Device IP		Read Factory	Set Factory
bnet mask:	255.255.255.000		Get Gateway IP	$\overline{\mathcal{A}}$	Restore Factory	Factory Setting
vice IP:	192.168.003.099		Get Subnet Mask		Setup via NET	
evice port:	5678	$\overline{\vee}$			Search in LAN	Setup via NET
ac Address:	00-A6-9C-A0-0B-08		Enable DNS		Read Factory	Set Factory
estination IP:	192.168.003.100	$\overline{\checkmark}$	First DNS server		Restore Factory	Factory Setting
estination Port:	5678	V	000.000.000.000		Online Device	
aud Rate(bps):	115200	•	Second DNS server		Device IP Mac Addres	ss Version Type
ata/Parity/stop:	8 🔻 NONI 👻 🚺		000.000.000.000	\checkmark	192.168.003.080 00-A6-9C-/	A0-0B-08 V20 NNZN-TC
lay Send(ms):	50 v ms (毫秒)	\checkmark	DNS Website			
: 1 🗖 🔿	onnect 🔲 data 📃 res	et 📃	eer			
rsion + V20	Type NNZN-TCP232					

6. 修改成功則會跳出下列提示:



7. 重新啟動,將 WS-RFIDBY-TCP 設備拔除電源在重新插上,再次點選 "Search in LAN"的按鍵並點擊兩次搜尋到的設備 IP 讀取網路設定參數,確認網路設定是否正確:

Parameters:				Setup via COM	
work mode:	TCP-CLIENT V	7] Enable DHCP		Read via COM	Setup via COM
Default Gateway:	192.168.003.250	Get Device IP		Read Factory	Set Factory
Subnet mask:	255.255.255.000	Get Gateway IP		Restore Factory	Factory Setting
Device IP:	192.168.003.099	Get Subnet Mask		Setup via NET	
Device port:	05678			Search in LAN	Setup via NET
Mac Address:	00-A6-9C-A0-0B-08	Enable DNS		Read Factory	Set Factory
Destination IP:	192.168.003.100	First DNS server		Restore Factory	Factory Setting
Destination Port:	05678	000.000.000		Online Device]
Baud Rate(bps):	115200 👻 🛛	7 Second DNS server		Device IP Mac Add	fress Version Type
Data/Parity/stop:	8 - NONI - 1 -	000.000.000	$[\forall]$	192.168.003.099 00-A6-9	C-A0-0B-08 V20 NNZN-TCP232
Delay Send(ms):	50 ▼ ms (毫秒)	DNS Website			
ID: 1 🗖 🗖 🕬	onnect 🔲 data 🔲 reset 🛽	eer			
Version : V20	Type NNZN-TCP232				
Indata All Onlin	Douise	save Default			

PC 有線網路設定方式 (WS-RFIDBY-TCP Only)

2. 設定 PC 網路參數,依照所設定的參數修改 PC 端對應的設定:

🎒 Wenshing All in	one NET tools			Internet Protocol (TCP/IP) 內容	<u>? ×</u>
Parameters:			Setup via O	一般	
work mode:	TCP-CLIENT			如果您的網路支援這項功能,您可以取得	自動指派的 IP 設定。否
Default Gateway:	192.168.003.250	Get Device IP	R	則,您必須詢問網路系統管理員正確的 IP	設定。
Subnet mask:	255.255.255.000	Get Gateway IP	Re Re	○ 白動取得 IP 位址(○)	
Device IP:	192.168.003.099	Get Subnet Mask	Setup via NI	● 使用下列的 IP 位址②:	
Device port:	05678		Se	IP 位址(I): 192	. 168 . 3 . 100
Mac Address:	00-A6-9C-A0-0B-08	Enable DNS	R	子網路遮罩(U): 255	. 255 . 255 . 0
Destination IP:	192.168.003.100	First DNS server	Re	預設開道(D): 192	. 168 . 3 . 250
Destination Port:	05678	000.000.000.000		€ 自動取得 DNS 伺服器位址(B)	
Baud Rate(bps):	115200 💌 🔽	Second DNS server	Device IF	● 使用下列的 DNS 伺服器位址(E):	
Data/Parity/stop:		000.000.000	IT 192.168.00	慣用 DNS 伺服器(P): 192 其他 DNS 伺服器(A):	. 168 . 3 . 250
Delay Send(ms):	50 💌 ms (毫秒) 🔽	DNS Website			
ID: 1 C	onnect 🔲 data 🔲 reset 🕅	eer			
Version : V20	Type NNZN-TCP232				 確定 取消
Updata All Onlin	Load Default	Save Default			

3. 测試通訊, PC 端執行"TCP Server"軟體並設定對應的 Port 號, 發送 AT 指令測試通訊是否正確: (不可使用 Port 5978)

		TOTAL NEL VESIERE (A.S.O)	
	Settings	Data Receive	
	卫 1 才 Protocol	▽Receive from 192.168.3.99 : 5678▼니	
Wenshing All in one NET tools	TCP Server	+WenShing RFIDMini Host Reader 1.00	
Parameters:	卫 2 年 Local host IP		
	192.168.3.100		
work mode:	卫 3节 Local host por		
Default Gateway: 192.168.003.250	5678		
Subnet mask: 255.255.255.000	l l l l l l l l l l l l l l l l l l l		
Device IP: 192.168.003.099	Ul sconnect		
Device port: 05678	Recv Options		
Mar Address	🗌 🥅 Receive to file		
Mac Address: 00-A6-9C-A0-08-08	🗌 🥅 Add line return		
Destination IP: 192,168.003.100	🔽 Receive As HEX		
Destination Port: 05678	🦳 Receive Pause		
Baud Rate(bps): 115200	<u>Save</u> <u>Clear</u>		
Data/Parity/stop: 8 - NONE - 1 -	Send Options		
Delay Send(me)	🗖 Data from file		
	Auto Checksum		
ID: 1 Connect C data C reset C	Auto Clear Input		
Uniting Lines Trues MNIZNLT/CD222	Send As Hex		
Version : 120 Type Innen+1CP232	Send Cyclic	Peers: All Connections 💌	
Updata All Online Device Load Default	Interval 1000 ms	AT+VER	
	Load <u>Clear</u>		Send
	🛃 Ready!	Send : 8 Recv : 3	7 Reset

Output Data Format

Byte1 = 0x53 Suggesting output data is Tag TID; Data format reference as below:

Byte 0	Byte 1	Byte 2	Byte 3~N	Byte N+1
0x02	0x53	Length of data being read	Tag TID	0x03

Byte1 =0x54 Suggesting output data is Tag EPC ; Data format reference as below :

Byte 0	Byte 1	Byte 2	Byte 3	Byte 4~6	Byte 7	Byte 8~9	Byte 10~N	Byte N+1
0x02	0x54	Length of data being read	RSSI value being received	Frequency being received and Antenna port	PC+EPC	PC (Tag assortment)	Tag EPC	0x03

Byte 4 is frequency low byte

Byte 5 is frequency middle byte

Byte 6 is frequency high byte and antenna port

When bit 7=1 the frequency value is 0E, bit 7=0 the frequency value is 0D

Bit 0~5 is received antenna port, antenna 1=0 0000 · antenna 2=0 0001 · antenna 3=0 0010 · antenna 4=0 0011

AT Command

"Newline" for each Command (請注意:發送所有指令之前必須先停止掃描)

指令中 0001 代表設備的 ID Address,由此 ID 可設定指定設備的資料或指定該設備傳回資料,參數範圍從 0001~9999:

#	AT Command	RFID Reader Return	Function Explanation
1	AT+0000-FindDeviceID		查詢區域網路中所有設備的 ID Address
T		+0000-FindDeviceID:0001	0001 代表該設備的 ID Address
C	AT+0001-DeviceID:0002		修改設備 ID Address
Z		+0001-DeviceID:0002	指令成功
3	AT+0001-Scan:0		設置 RFID 模組的工作狀態:1 為掃描;0 為停止掃描 Default = 1
		+0001-Scan:0	指令成功
Л	AT+0001-VER		讀設備的版本號
4		+WenShing RFIDBY4 Reader 1.00	設備名稱及韌體版本
5	AT+0001-BuzzTime:3		Buzz 響聲數控制,當下這指令時 buzz 響 3 聲,如要響聲數為 2 指令就為" AT+0001-BuzzTime:2"參數 1 的範圍為 1~9
		+0001-BuzzTime:3	指令成功,蜂鳴器響 3 聲
6	AT+0001-BuzzONOFF:0		設定 Buzz 讀到 Tag 時聲響提示開關 =0 - 關閉聲響提示 =1 - 開啟聲響提示
		+0001-BuzzONOFF:0	指令成功
7	AT+0001-Reset		系統重置

		+0001-Reset	指令成功
0	AT+0001-SetPower:30dBm		設定輸出功率大小 範圍=19~30dBm
ð		+0001-SetPower:30dBm	指令成功
9	AT+0001-Mode:S0		S0: 掃多張 Tag,只要有 RFID 有要掃描 Tag 都會回應(測試環境上使用較多) S1: 掃多張 Tag,掃描 TAG 回應完後 Tag 需經過大約 1 秒 Tag 才會再次回 應,盤點、車道、物流使用較多 S2: 掃多張 Tag,掃描 Tag 回應完後 Tag 需離開接收範圍一段時間在進入 範圍內 Tag 才會回應,賽跑競賽、物流使用較多 S3: 掃多張 Tag,掃描 TAG 回應完後 Tag 需離開接收範圍一段時間在進入 範圍內 Tag 才會回應,賽跑競賽、物流使用較多 Default = S1
		+0001-Mode:S0	指令成功
10	AT+0001-SetQuery:SL=0,SS=0,TG=0, Q4		 參數 SL:固定為0 參數 SS:0=S0 1=S1 2=S2 3=S3 SO:掃多張 Tag,只要有 RFID 有要掃描 Tag 都會回應(測試環境上使用較多) S1:掃多張 Tag,掃描 TAG 回應完後 Tag 需經過大約 1 秒 Tag 才會再次回應,盤點、車道、物流使用較多 S2:掃多張 Tag,掃描 Tag 回應完後 Tag 需離開接收範圍一段時間在進入範圍內 Tag 才會回應,賽跑競賽、物流使用較多 S3:掃多張 Tag,掃描 Tag 回應完後 Tag 需離開接收範圍一段時間在進入範圍內 Tag 才會回應,賽跑競賽、物流使用較多 Default = S1 參數 TG:固定為 0 參數 Q:範圍為 Q0~Q7 同一時間內需掃描多張 Tag 時須設大
		+0001-SetQuery:SL=0,SS=0,TG=0, Q4	指令成功
11	AT+0001-ReadDeviceMessage		讀取設定參數
		+0001-ReadDeviceMessage	指令成功

		+Sel=0	Default = 0
		+Session=1	Default = 1
		<mark>+Target=A</mark>	<mark>Default – A</mark>
		+Qbegin=4	Default = 4
		<mark>+Working∧rea=2</mark>	<mark>壬作頻段=2</mark>
12	AT+0001-Read:1,02,00000000,06,2 01309248726030001020022		讀指定 Tag 的資訊 參數 1: =0 - 讀 Tag 的密碼區 =1 - 讀 Tag 的 EPC 區 (參數 2 需使用 02) =2 - 讀 Tag 的 TID 區(唯讀) =3 - 讀 Tag 的用戶區 參數 2:00 -從位址 00 開始讀出參數 4 所填入的字元數(1Word=2byte)範 圍 00~FF 參數 3:0000000:訪問密碼參數 參數 4:08 為讀多少 Word (單位為 Hex) 參數 5: EPC 號
		+0001-Read:1,02,00000000,06,20 1309248726030001020022<00> →201309248726030001020022 或 +0001-Read:1,02,00000000,06,20 1309248726030001020022<09>	<00>:說明讀取正確 <09>:說明標籤不再 <a3>:說明參數 4 超出儲存區大小</a3>

.3	AT+0001-Write:3,00,00000000,201 309248726030001020022,0987654 3210987654321		寫指定 Tag 的資訊 參數 1:3-寫入到 Tag 的用戶區 =0 - 寫入 Tag 的密碼區 =1 - 寫入 Tag 的 EPC 區 (不變更 EPC 長度時,參數 2 需使用 02) =2 - TID 區唯讀,不可寫 =3 - 寫入 Tag 的用戶區 若要修改 EPC 碼的長度時參數 2 必須從 01 開始寫入 修改成 12 碼時 01 位置要填入 3400 修改成 14 碼時 01 位置要填入 3800 修改成 14 碼時 01 位置要填入 4000 以下是範例從 12 碼修改成 16 碼 AT+0001-Write:1,01,0000000,20131124872501000102000A,4000AA13112487250100010 2BBB01020304 +0001-Write:1,01,0000000,A131124872501000102BBBB01020304,30002013112487 Solution 以下是範例從 16 碼修改成 12 碼 AT+0001-Write:1,01,0000000,AA131124872501000102BBBB01020304,300020131124872501000102000A 參數 2: 00 - 從位址 00 開始寫人,所有的資料以字為單位(1word=2byte) 參數 4: EPC 號 參數 5: 要寫人的資料其長度必須為 2 個 Byte 的倍數
		AT+0001-Write:3,00,00000000,20 1309248726030001020022,0987 6543210987654321<00>	<00>:說明寫入正確<10>:說明標籤不再或 EPC 號碼不對

Internet Updata

1. 執行 All in ont NET tools · 開啟後畫面如下

rameters:				Setup via COM	
work mode:	MOD-SERVER-RTU		Enable DHCP	Read via COM	Setup via COM
Default Gateway:	192.168.001.001		Get Device IP	Read Factory	Set Factory
Subnet mask:	255.255.255.000		Get Gateway IP	Restore Factory	Factory Setting
Device IP:	192.168.001.002		Get DNS Server	Setup via NET	
Device port:	10006			Search in LAN	Setup via NET
Mac Address:	00-A5-89-C2-61-63		Enable DNS	Read Factory	Set Factory
Destination IP:	192.168.001.003		First DNS server	Restore Factory	Factory Setting
Destination Port:	10006		202.096.123.223	Online Device	
Baud Rate(bps):	115200		Second DNS server	Device IP Mac Addre	ss Version Type
Data/P <mark>a</mark> rity/stop:	8 • NONI • 1 •		202.096.123.223		
Delay Send(ms):	50 ▼ ms (毫秒)	\square	DNS Website		
ID: 01 🗖 🕬	nnect 🔲 data 🔲 res	et 🔳	sha.iejy.net		
Version : V42	Type NNZN	Ĩ			
	D i load De	fault	Save Default		

2. 搜尋區域網路內的設備 · 點選 Search in LAN 的按鍵

rameters:					Setup via COM
work mode:	MOD-SERVER-RTU		Enable DHCP		Read via COM Setup via COM
Defa <mark>ult Gat</mark> eway:	192.168.001.001		Get Device IP		Read Factory Set Factory
Subn <mark>e</mark> t mask:	255.255.255.000		Get Gateway IP	V	Restore Factory Factory Setting
Device IP:	192.168.001.002	7	Get Subnet Mask		Setup via NET
Device port:	10006				Search in LAN Setup via NET
Mac Address:	00-A5-89-C2-61-63		Enable DNS		Read Factory Set Factory
Destination IP:	192.168.001.003	$\overline{\mathbf{V}}$	First DNS server		Restore Factory
Destination Port:	10006	$\overline{\mathbf{v}}$	202.096.123.223		Opline Device
Baud Rate(bps):	115200		Second DNS server		Device IP Mac Address Version Type
Data/Parity/stop:	8 🔻 NONI 👻 🛛 🔻		202.096.123.223		192.168.003.080 00-A5-89-C2-61-65 V20 NNZN-TCP232
Delay Send(ms):	50 🔻 ms (毫秒)	1	DNS Website		
ID: 01 🗖 🗆 🕬	onnect 🔲 data 🔲 rese	et 🕅	sha.iejy.net		
Version: V42	Type NNZN	1			

3. 搜尋到設備後會再下面顯示出該設備的 IP 位置

Online Device

 Device IP
 Mac Address
 Version
 Type

 192.168.003.080
 00-A5-89-C2-61-65
 V20
 NNZN-TCP232

4. 讀取網路設定參數·點擊兩次搜尋到的設備 IP 後會自動讀取目前的設定並再左邊 Parameters 顯示出來

Parameters:					Setup	via COM	
work mode:	TCP-CLIENT		Enable DHCP			Read via COM	Setup via COM
Default Gateway:	192.168.003.250	$\overline{\checkmark}$	Get Device IP			Read Factory	Set Factory
Subnet mask:	255.255.255.000		Get Gateway IP	$\overline{\checkmark}$		Restore Factory	Factory Setting
Device IP:	192.168.003.080		Get DNS Server		Setup	via NET	
Device port:	08080	$\overline{\checkmark}$				Search in LAN	Setup via NET
Mac Address:	00-A5-89-C2-61-65		Enable DNS			Read Factory	Set Factory
Destination IP:	192.168.003.100	$\overline{\mathbf{v}}$	First DNS server			Restore Factory	Factory Setting
Destination Port:	08080	$\overline{\checkmark}$	000.000.000.000		Opline F)evice	
Baud Rate(bps):	115200		Second DNS server		Dev	vice IP Mac Addres	s Version Type
Data/Parity/stop:	8 - NONI - 1		000.000.000.000	\square	192.16	58.003.080 00-A5-89-C	2-61-65 V20 NNZN-TCP232
Delay Send(ms):	50 🔻 ms (毫秒)	$\overline{\mathbb{V}}$	DNS Website				
ID: 1 00	onne <mark>c</mark> t 🔲 data 🔲 res	et 🔳	eer				
Version : V20	Type NNZN-TCP232						

5. 修改更新主機的工作模式、IP 位置、Device port,並按 Setup via NET 進行修改

work mode: UDP-CLIENT Image: Comparison of the comparison	arameters:				Setup via COM	
Default Gateway: 192.168.003.250 〇 〇 Get Device IP Read Factory Set Factory Subnet mask: 255.255.255.000 〇 Get Gateway IP ○ Restore Factory Factory Setting Device IP: 192.168.003.080 〇 ○ Get DNS Server Setup via NET Device port: 5978 ○ Enable DNS First DNS server Setup via NET Destination IP: 60.251.71.55 ○ First DNS server O0.000.000 Restore Factory Set Factory Baud Rate(bps): 115200 ✓ Second DNS server Online Device Device IP Mac Address Version Type Delay Send(ms): 50 ms (在秒) DNS Website DNS Website DNS Website Intervent Intervent<	work mode:	UDP-CLIENT V	\square	Enable DHCP	Read via COM	Setup via COM
Subnet mask: 255.255.255.000 □	Default Gateway:	192.168.003.250		Get Device IP	Read Factory	Set Factory
Device IP: 192.168.003.080 Device port: 5978 Mac Address: 00-AC-FB-16-71-55 Destination IP: 60.251.71.55 Destination Port: 5978 Detat/Parity/stop: 8 × NONI × 1 × Ø Delay Send(ms): 50 × ms (窪秒) Distance Comparent Indata Detay Send(ms): 50 × ms (窪秒) Distance Comparent Indata Destination Port: First DNS server Dotal/Parity/stop: 8 × NONI × 1 × Ø Destination 1 × Ø Destination 1 × Ø Destination Port: 50 × ms (窪秒) Distance Parity Distance Parity Distance Parity Distance Parity Distance Parity Distance Parity Distance Parity Distance Parity </td <td>Subnet mask:</td> <td>255.255.255.000</td> <td></td> <td>Get Gateway IP</td> <td>Restore Factory</td> <td>Factory Setting</td>	Subnet mask:	255.255.255.000		Get Gateway IP	Restore Factory	Factory Setting
Device port: 5978 Mac Address: 00-AC-FB-16-71-55 Destination IP: 60.251.71.55 Destination Port: 5978 Data/Parity/stop: 8 < NONI < 1 < 000.000.000	Device IP:	192.168.003.080		Get Subnet Mask	Setup via NET	
Mac Address: 00-AC-FB-16-71-55 Enable DNS Destination IP: 60.251.71.55 First DNS server Read Factory Set Factory Destination Port: 5978 000.000.000 Second DNS server Online Device Factory Setting Data/Parity/stop: 8 < NONI < 1 < 000.000.000	Device port:	5978	Ø	GEL DIVS SELVER	Search in LAN	Setup via NET
Destination IP: 60.251.71.55 了 了 了 First DNS server 000.000.000 000 000 000 000 000 000 00	Mac Address:	00-AC-FB-16-71-55		Enable DNS	Read Factory	Set Factory
Destination Port: 5978 Baud Rate(bps): 115200 Data/Parity/stop: 8 < NONI < 1 <	Destination IP:	60.251.71.55		First DNS server	Restore Factory	Factory Setting
Baud Rate(bps): 115200 ···································	Destination Port:	5978		000.000.000.000		
Data/Parity/stop: 8 × NONI × 1 × Ø 000.000.000 192.168.003.080 00-AC-FB-16-71-55 V22 NNZN-TCP23 Delay Send(ms): 50 × ms (金秒) Ø DNS Website 000.000.000 000.000 Interview Interview Interview Interview Interview Interview	Baud Rate(bps):	115200 ~		Second DNS server	Device IP Mac Addr	ess Version Type
Delay Send(ms): 50 v ms (毫秒) DNS Website	Data/Parity/stop:	8 ~ NONI ~ 1 ~		000.000.000.000	192.168.003.080 00-AC-FE	-16-71-55 V22 NNZN-TCP2
	Delay Send(ms):	50 v ms (毫秒)		DNS Website		
		onnect data reset	: 🗌	eer		
		ALL THE MANAGEMENT OF	-			

<mark>6. 修改成功則會跳出下列提示</mark>

All in one net to	ools	x	
192.168.3.80	Set up complete and automatic restar	t	
		ОК	

- 7. 重新啟動,將 WS-RFIDBY 設備拔除電源在重新插上,開始更新時燈號由綠紅藍反覆交替變換並有聲音提示,更新成功後會重新啟動並進入待機 <mark>狀態下</mark>
- 8. 使用 All in ont NET tools 修改適合的網路設定,參考 PC 有線網路設定方式