XT200

多功能網路路由器



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1. XT200規格

| 通訊 | 2.45 GHz 支援雙向通訊 |
|--------|--|
| 頻率 | 2.40~2.48 GHz |
| 頻道 | 316 |
| 訊號強度 | 0-255 |
| 訊號品質 | 0-255 |
| | |
| 防破壞裝置 | 內建反破壞開關 |
| 可程式 | 參數設定 |
| 燈號 | 雙色 LED 指示 |
| 介面 | RJ-45, RS-232, RS-485, USB |
| 網路 | 10/100 base-T Ethernet |
| RS-232 | RX, TX |
| RS-485 | +, - |
| USB | USB2.0 , full-speed Device/CDC |
| 通訊協定 | ICMP, ARP, IP, TCP(Server/Client), UDP, DHCP, HTTP |
| 通訊速率 | 2,400 bps ~ 115,200 bps |
| 輸入點 | 4 組,支援3態功能輸入點 |
| 輸出點 | 2 組 Relay 輸出 |
| | |
| 電源需求 | 7.5 VDC ~ 28 VDC |
| 工作溫度 | -20 °C to 65 °C, 5 to 95%RH |
| 存放溫度 | -30 °C to 85 °C, 5 to 95%RH |
| 尺寸 | 138W x 78H x30D(mm) |
| | |

天線 外接 2 dbi 全向性天線(可更換)

2. XT200接線圖



*同時多裝置使用時,請將彼此距離50cm以上;以免造成相互干擾。

3. XT200 初始設定(X1、ZX1)

- 3-1. 設備連接:依照Page 2接線圖連接電源、網路、天線,開啓 MDNET Tool
- 3-2. 點選 Search 搜尋裝置,如搜尋不到裝置,請查看防毒軟體或防火牆,是否被擋掉;或查看 是否與裝置不在同一網段內 (裝置預設IP為 192.168.1.101)。



3-3. 搜尋到裝置後,選擇欲設定的裝置,並點選 Configure 進入設定

| B MDNET Tools 0181 [2010-10-01] | | | | | | | | | | | |
|---------------------------------|----|----------------|-------------------|---------------|----------------|--------------|--------------|--------|--|--|--|
| 1 | No | Name | MAC Address | IP Address | Operating Mode | Hardware-Ver | Firmware-Ver | Status | | | |
| Search | 1 | MDNET-1 [W95A] | 00-1D-34-01-00-02 | 192.168.1.101 | TCP Server | 0200 | 0235 | | | | |
| | 2 | XT200-PA | 00-1D-34-0B-00-06 | 192.168.1.133 | UDP | 0404 | 0404 | | | | |
| Configure | 3 | XT200-PA | 00-1D-34-06-06-06 | 192.168.1.196 | TCP Server | 0110 | 0110 | | | | |
| g | 4 | XT200-PA | 00-1D-34-99-00-00 | 192.168.1.199 | TCP Server | 0110 | 0110 | | | | |
| 1 | 5 | XT-200 | 00-1D-34-00-00-00 | 192.168.1.54 | TCP Server | 0110 | 0110 | | | | |
| Upgrade Firmware | | | | | | | | | | | |
| Upgrade (IP) | | | | | | | | | | | |
| <u>I</u> Close | | | | | | | | | | | |

3-4. 到 Basic 頁面設定裝置名稱與ID,須注意ID設定勿重複,設定完成後點選OK (Write)。

| Configuration | | × |
|--|---|--|
| Information MAC Address :00-1D-34-99-00-00 Serial Number :11270002 Firmware Version : Ver 0110 Hardware Version : Ver 0110 | Basic Network Operating Mode Acce Device Name : XT200-PA Device ID : 0199 RS485 Setup RS485 START DELAY: 1500 RS485 END DELAY: 500 | ssible IPs Password Serial 100 ~ 9999 us 100 ~ 9999 us |
| | ✓OK (Write) | × Cancel |

3-5. 可到Network 頁面將裝置IP依使用者需求重新設定,設定完成後點選OK (Write)。

| 😕 Configuration | | |
|--------------------------------|---|--|
| Information | Basic Network Operating Mode Accessible IPs Password Serial | |
| MAC Address :00-1D-34-99-00-00 | | |
| Serial Number :11270002 | Static IP | |
| Firmware Version : Ver 0110 | IP address: 192 168 1 199 | |
| Hardware Version : Ver 0110 | Subnet mask: 255 255 255 0 | |
| | Default gateway: 192 168 1 254 | |
| | DNS server1: 0 0 0 | |
| | DNS server2: 0 0 0 | |
| | | |
| | ✓OK (Write) × Cancel | |

3-6. 到 Operating Mode 頁面設定 Data Packing 項目,將Delimiter 1、Delimiter 2項目取消選

取,Force Tx Timeout項目則是固定為10,此項不能改變,完成後點選OK (Write)。

| Configuration | | $\overline{\mathbf{X}}$ |
|--------------------------------|-------------------------------------|-----------------------------|
| Information | Basic Network Operating Mode Acce | essible IPs Password Serial |
| MAC Address :00-1D-34-99-00-00 | TCP Server Mode | |
| Serial Number :11270002 | Local TCP Port: | 5001 Max Connection: 4 💌 |
| Firmware Version : Ver 0110 | | |
| Hardware Version : Ver 0110 | C TCP Client Mode Connect | Mode: Starup |
| | 🔽 Destination IP 01: 🚺 🚺 | 0 0 Port: 5001 |
| | 🗖 Destination IP 02: 🚺 🚺 | 0 0 Port: 5001 |
| | 🗖 Destination IP 03; 0 | 0 0 Port: 5001 |
| | 🗖 Destination IP 04: 🚺 🚺 | 0 0 Port: 5001 |
| | C LIDP Mode | |
| | Local TCP Port: 5001 | |
| | Destination IP 01: 0 | 0 0 Port: 5001 |
| | 🗖 Destination IP 02: 0 0 | 0 0 Port: 5001 |
| | 🗖 Destination IP 03: 0 0 | 0 0 Port: 5001 |
| | 🗖 Destination IP 04: 🚺 🚺 | 0 0 Port 5001 |
| | Data Packing(Optional) | Miscellaneous(Optional) |
| | Delimiter 1 00 (0 - ff,Hex) | TCP Alive Check Timeout |
| | Delimiter 2 00 (0 - ff,Hex) | 0 (0 - 255 min) |
| | Force Ty Timeout: 10 (0 - 65535 ms) | Inactivity Timeout |
| | | 0 (U - 60030 ms) |
| | | |
| | ✓ OK (Write) | × Cancel |

3-7. 開啓 Xtive_XT200 Tool,選擇 Set Reader 頁面,連線欲設定之裝置 IP。 透過TCP/IP 連線裝置,輸入 IP與 Port 進行對裝置設定,ID欄位可取消勾選與輸入。

依序設定裝置 Reader ID、Group ID(GID)、ZigBee Mode。

須注意Coordinator的Group ID與Router Group ID需相同才可互通。

| Set TAG Set Reader | Read TAG | | | | | | | |
|--|-------------|----------------|---------------|---|-------------------------|------|--|--|
| COM TCP Server | | | | | | | | |
| IP : 192.168 | .1.101 | P | ort : 4001 | Г | ID | 0000 | | |
| | | | | | | | | |
| Reader Reset | Rea | der Initial | | | | | | |
| Get Version | Get Version | | | | | | | |
| Get Reader ID | 0001 | | | Set Reader II | D | | | |
| Get Zigbee GID | 0001 | Set Zigbee GID | | | | | | |
| Get Zigbee MODE | Coordina | tor 💌 | ✓ Zigbee MODE | | | | | |
| TAG SEND MODE MODE GET STO RSSI Filter | DP SEND | | • | Version Filte I TAG VE I TAG VE I TAG VE | er R 1 R 2 R 3 | - | | |
| RSSI GET 4 | | • (|) | VERSION | GET | | | |
| AES128 ADMAIN GUES | T | | | | | | | |
| | Exi | t | | | | | | |

於Version Filter 選擇欲接收的TAG類型,勾選後點選 VERSION 即可。

3-8. 選擇 Read TAG 頁面,依照對裝置的設定分別進行TCP或COM的連線設定,並依需求勾選單

台或多台裝置, 點選 **Start** 即可開始接收**TAG**訊息如下。

| 🛃 Xtive Ut | ility ¥0102 [2011-0 | 6-28 14:0 | 08:10] | | | | | | | | | | | | | | | | | | | |
|------------|---------------------|-----------|--------|--------|----------|-------|-------|-------|-----------|---------|----------|-------|------|------|----------|------|-------|-------|---|-----------------|-------------|-----------|
| Set TAG | Set Reader Re | ad TAG | | | | | | | | | | | | | | | | | | | | |
| View All | TAG | | | | | | | | | | | | | | | | | | C | DM TCP Server | | |
| No. | UID | RSSI | LQI | TagVer | Packet | Model | KeyNo | Group | S State | Battery | ISN H | ISN L | D 1H | D 1L | D 2H | D 2L | ID | Count | | 192.168.1.193 | □ 192. | 168.1.101 |
| 1 | 0001000110880011 | 108 | 211 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | FA | A6 | 3A | 98 | 1234 | 9 | | 192,168,1.54 | 192. | 168.1.102 |
| 2 | 0001000107461512 | 116 | 221 | 10 | 0000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 102 169 1 109 | 102 | 169 1 102 |
| 3 | 2011061300000001 | 143 | 219 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | 192.100.1.190 | 192. | 100.1.103 |
| 4 | 0001000111230007 | 104 | 213 | 10 | 0000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | FB | 33 | 3C | 4D | 1234 | 2 | | 192.168.1.104 | 192. | 168.1.104 |
| 5 | 0001000111180159 | 121 | 221 | 10 | 00000001 | 00 | 00 | 00 | 00001101 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.105 | □ 192. | 168.1.105 |
| 6 | 0001000109291029 | 100 | 185 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.106 | □ 192. | 168.1.106 |
| 1 | 0001000107340328 | 123 | 163 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.107 | 192. | 168.1.107 |
| 8 | 0001000111060275 | 102 | 211 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 10 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 102 169 1 109 | = 102 | 169 1 109 |
| 9 | 0001000107240004 | 111 | 223 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 13 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 1 | | 192.100.1.100 | 152. | 100.1.100 |
| 10 | 2010072310303003 | 107 | 223 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.109 | 192. | 168.1.109 |
| 12 | 0001000100100520 | 196 | 235 | 10 | 00000001 | 00 | 00 | 00 | 00001001 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 3 | | 192.168.1.110 | □ 192. | 168.1.110 |
| 13 | 0001000107340322 | 127 | 207 | 10 | 00000001 | 00 | 00 | 00 | 000011111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | Destination I | Port : 5001 | |
| 14 | 0001000111090014 | 94 | 213 | 10 | 00000001 | 00 | 00 | 00 | 00001101 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 15 | 2010030900000007 | 111 | 217 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | | | |
| 16 | 201106130000002 | 183 | 233 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 17 | 0001000110072001 | 111 | 231 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 18 | 0001000110409503 | 130 | 239 | 10 | 00000001 | 00 | 00 | 00 | 00001001 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 4 | | | | |
| 19 | 2010072910309003 | 175 | 231 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 20 | 0001000107340318 | 120 | 223 | 10 | 0000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 21 | 0001000111102551 | 114 | 221 | 10 | 0000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 22 | 0001000110261336 | 149 | 39 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 23 | 0001000120100302 | 146 | 217 | 10 | 00000001 | 01 | 00 | 00 | 00001101 | 7 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | |
| 24 | 0001000110483191 | 91 | 183 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 03 | 5F | 03 | 5B | 1234 | 1 | | | | |
| 25 | 00010001110/0038 | 114 | 65 | 10 | 0000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 99 | AA | 07 | 22 | 1234 | 1 | | | | |
| 26 | 0001000110460007 | 158 | 237 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 13 | 00 | 00 | FA | AA | 3A | D1 | 1234 | 3 | | | | |
| 20 | 0009000900010001 | 130 | 223 | 20 | 00000000 | 20 | 00 | 00 | 00000010 | 103 | F9 C9 | DF | 00 | 00 | 00 | 00 | 1234 | 4 | | | | |
| 20 | 0009000900010005 | 144 | 239 | 20 | 00000000 | 25 | 00 | 00 | 00000010 | 103 | C0 CE | 00 | 00 | 77 | оо го | 00 | 1234 | 1 | | | | |
| 29 | 1111222233334444 | 168 | 233 | 30 | 00000000 | 25 | 01 | 00 | 00000010 | 104 | 0 | A1 | 52 | 62 | EF | 00 | 1234 | 1 | | | | |
| 30 | 1111222233334444 | 100 | 225 | 50 | 0000000 | 23 | 01 | 00 | 0000010 | 105 | cu | АТ | JZ | 02 | FL | 00 | 12.34 | • | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | т | AG Count: | 30 | |
| | | | | | | | | | | | | | | | | | | | | TAC ID: 0001000 | 107340322 | |
| | | | | | | | | | | | | | | | | | | | | TAG ID: 0001000 | 107 340 322 | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | s | tart | |
| | | | | | | | | | | | | | | | | | | | | C | ear | |
| | | | | | | | | | | | | | | | | | | | | E | ×it | |
| | | | | | | | | | | | | | | | | | | | | 🔲 Beep 🚦 | ING C | жт снз |

4. XT200 初始設定(Z1)

- **4-1.** XT200-Z1 在出廠時皆設定為by pass模式, 欲進行設定前須先將模式更改為V7 mode, 方能進行其他設定更改。
- 4-2. 設備連接:依照Page 2接線圖連接電源、網路、天線,直接於瀏覽器上鍵入IP進行WEB 頁面 更改設定。(裝置預設IP為 192.168.1.101)

| XT200 Col | nfiguratior | า: | | | |
|---|-------------------|-------------------------------------|----------------|---|--------|
| Basic | Network | Operating Mode | Accessible IPs | Password | Serial |
| MAC Address: | 00-1d-34-0b-00-58 | | | | |
| Serial Number: | 11270167 | | | | |
| Firmware Version: | 0112 | | | | |
| | | | | | |
| Hardware Version: | 0111 | | | | |
| Hardware Version: | 0111 | Current | Select | Modify | |
| Hardware Version: | 0111 | Current XT200-Z1 | Select | Modify | |
| Hardware Version: Device name: Device ID: | | Current XT200-Z1 0167 | Select | Modify 0001 (0001~9999) | |
| Hardware Version: Device name: Device ID: RS485 Start delay: | | Current XT200-Z1 0167 1500 | Select | Modify 0001 (0001~9999) 1500 (100~9999)us | |

4-3. 點選 Other 頁面。

| Basic | Network | Operating Mode | Accessible IPs | s Password | Serial | DIDO | |
|---|-------------------|-------------------------------------|----------------|---|--------|------|--|
| MAC Address: | 00-1d-34-0b-00-58 | 3 | | | | | |
| Serial Number: | 11270167 | | | | | | |
| Firmware Version: | 0112 | | | | | | |
| | | | | | | | |
| Hardware Version: | 0111 | | | | | _ | |
| Hardware Version: | 0111 | Current | Select | Modify | | | |
| Hardware Version: Device name: | 0111 | Current XT200-Z1 | Select | Modify | | | |
| Hardware Version: Device name: Device ID: | | Current XT200-Z1 0167 | Select | Modify | | | |
| Hardware Version: Device name: Device ID: RS485 Start delay: | | Current XT200-Z1 0167 1500 | Select | Modify 0001 (0001~9999) 1500 (100~9999)us | | | |

| Basic | Network | Operating Mode | Accessible IPs | Password | I | Serial | DIDO | Oth |
|--|---|---|----------------|---|--------------------------|---|------|-----|
| MAC Address: | 00-1d-34-0b-00-5 | 8 | | | | | | |
| Serial Number: | 11270167 | | | | | | | |
| Firmware Version: | 0112 | | | | | | | |
| Hardware Version: | 0111 | | | | | | | |
| | | Current | Select | | Modify | 7 | | |
| | | Current | Select | | Modify | | | |
| | Delimiter 1: | N/A Hev | | Delimiter 1 | 00 | (0_ff) Hey | | |
| Data Packing | Delimiter 1: | N/A -Hex | | Delimiter 1: Delimiter 2: | 0D | (0-ff) Hex | | |
| Data Packing (Optional) | Delimiter 1: Delimiter 2: Force Tx Timout: | N/A -Hex N/A -Hex 10 -ms | | Delimiter 1: Delimiter 2: Force Tx Timout: | 0D 00 10 | (0-ff) Hex (0-ff) Hex (0-65535) ms | | |
| Data Packing (Optional) | Delimiter 1: Delimiter 2: Force Tx Timout: TCP Alive Check | N/A -Hex N/A -Hex 10 -ms Timeout: N/A -min | | Delimiter 1: Delimiter 2: Force Tx Timout TCP alive timeout. | 0D 00 10 0 | (0-ff) Hex (0-ff) Hex (0-65535) ms (0-255) min | | |
| Data Packing (Optional) Miccellaneous (Option) | Delimiter 1: Delimiter 2: Force Tx Timout: TCP Alive Check Inactivity Timeout | N/A -Hex N/A -Hex 10 -ms Timeout N/A -min N/A -ms | | Delimiter 1: Delimiter 2: Force Tx Timout: TCP alive timeout: TCP activity timeout: | 0D 00 10 0 0 | (0-ff) Hex (0-ff) Hex (0-65535) ms (0-255) min (0-65535) ms | | |
| Data Packing (Optional) Miscellaneous(Optiona | Delimiter 1: Delimiter 2: Force Tx Timout: TCP Alive Check Inactivity Timeout Operation mode | N/A -Hex N/A -Hex 10 -ms Timeout N/A -min N/A -ms Bypass -Mode | | Delimiter 1: Delimiter 2: Force Tx Timout TCP alive timeout TCP activity timeout | 0D 00 10 0 | (0-ff) Hex (0-ff) Hex (0-65535) ms (0-255) min (0-65535) ms | | |

4-5. 在Current欄位,可以看到目前是 By pass mode ,選擇 V7 mode 並勾選後,點選

Submit 按鍵進行變更設定。

| | Curr | ent | Select | | Modify | |
|--------------------------|-------------------------|-------------------|--------------------|-----------------------|--------------|--------------|
| Prefe Provide a | Delimiter 1: N/A -H | ex | | Delimiter 1: | OD | (0-ff) Hex |
| Data Packing | Delimiter 2: N/A -H | ex | | Delimiter 2: | 00 | (0-ff) Hex |
| (Optional) | Force Tx Timout: 10 -ms | | Force Tx Timout: | 10 | (0-65535) ms | |
| | TCP Alive Check Timeout | | TCP alive timeout: | 0 | (0-255) min | |
| Miscellaneous(Ontional) | Inactivity Timeout | N/A -ms | | TCP activity timeout: | 0 | (0-65535) ms |
| iniscenarieous(optional) | Operation mode | Bypass -Mode | | V7 mode | | |
| | Output interface | RS-232 -Interface | | Ethernet 💌 | | |
| Submit | | | | | | |

4-6. 點選 Submit 按鍵後,跳出以下頁面表示已完成更新設定,裝置並重開機。

Saving Changes and Restarting.

<u>ok</u>

4-7. 點選 OK 回到 WEB頁面, 再回到 Other 頁面確認裝置已修改為 V7 mode。

| | Cur | rent | Select | I | Vlodify | |
|--------------------------|------------------------|-------------------|--------|-----------------------|---------|--------------|
| Data Backing | Delimiter 1: N/A -ł | Hex | | Delimiter 1: | OD | (0-ff) Hex |
| Data Packing | Delimiter 2: N/A -ł | Hex | | Delimiter 2: | 00 | (0-ff) Hex |
| (optional) | Force Tx Timout: 10 -m | S | | Force Tx Timout: | 10 | (0-65535) ms |
| | TCP Alive Check Timeou | ut: N/A -min | | TCP alive timeout: | 0 | (0-255) min |
| Miscellaneous(Ontional) | Inactivity Timeout | N/A -ms | | TCP activity timeout: | 0 | (0-65535) ms |
| iniscenarieous(optional) | Operation mode | V7 -Mode | | √7 mode 💌 | | |
| | Output interface | RS-232 -Interface | | Ethernet 💌 | | |

4-8. 確認更改為 V7 mode後,即可依循 page 11 Xtive_XT200 Tool進行欲更改的其他設定或操作。

5. XT200 操作簡介 (Xtive_XT200 Tool)

5-1. 設備連接:

依照Page 2接線圖連接電源、網路、天線,使用MDNET設定IP後即可使用;無IP設定則選擇COMP。

(IP設定請參照 Page 3 初始設定)

5-2. 點選並開啓工具 Xtive_XT200 如下圖。

| 3 Xúve Utility Y0102 [2011-07-01 15:14:40] | _ 8 |
|---|--|
| Set TAG Set Reader Read TAG | |
| View All TAG | COM TCP Server |
| View Alii TAG Ho. UID RSSI LOI TantVer Packet Model Keyhlo. Group S State Battery ISN L D 1H D IL D ZH D ZL ID Ceurit | COM TCP Server 192.168.1.101 □ 192.168.1.112 192.168.1.102 □ 192.168.1.112 192.168.1.102 □ 192.168.1.113 192.168.1.104 □ 192.168.1.113 □ 192.168.1.104 □ 192.168.1.113 □ 192.168.1.104 □ 192.168.1.115 □ 192.168.1.104 □ 192.168.1.116 □ 192.168.1.108 □ 192.168.1.116 □ 192.168.1.108 □ 192.168.1.116 □ 192.168.1.108 □ 192.168.1.120 □ 192.168.1.108 □ 192.168.1.120 □ 192.168.1.108 □ 192.168.1.120 □ 192.168.1.108 □ 192.168.1.120 □ Destination Port : 4001 |
| | Start |
| | Clear |
| | Exit |
| | □ Beep ENG 中文 (台湾) HS |

5-3. 於 TCP Server 欄勾選並設定裝置IP;如無設定IP,則由 COM欄 勾選裝置連接的通訊連接

埠。(欲查詢裝置連結到那些com port,可由 裝置管理員 查看)

| COM TCP Serve | r | COM TCP Server |
|---------------|---------|---|
| COM1 | COM11 | □ 192.168.1.101 □ 192.168.1.111 |
| COM2 | COM12 | V 192.168.1.102 D 192.168.1.112 |
| 🔽 сомз | COM13 | V 192.168.1.103 I 192.168.1.113 |
| COM4 | COM14 | V 192.168.1.104 I 192.168.1.114 |
| | COM15 | □ <u>192.168.1.105</u> □ <u>192.168.1.115</u> |
| | | □ <u>192.168.1.106</u> □ <u>192.168.1.116</u> |
| CONIO | | □ <u>192.168.1.107</u> □ <u>192.168.1.117</u> |
| COM7 | COM17 | □ <u>192.168.1.108</u> □ <u>192.168.1.118</u> |
| COM8 | COM18 | □ 192.168.1.109 □ 192.168.1.119 |
| 🗆 сом9 | □ COM19 | □ 192.168.1.110 □ 192.168.1.120 |
| COM10 | COM20 | Destination Port : 4001 |

5-4. 設定完成裝置連接部分,即可點選 Start 即可開始接收 TAG訊息。

| 📑 Xtive U | fility ¥0102 [2011-0 | 6-28 14: | 08:10] | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|----------|--------|--------|----------|-------|-------|-------|-----------|---------|-------|-------|------|------|------|------|-------|-------|------|-----------------|--------|---------------|-----|
| Set TAG | Set Reader Rea | ad TAG | | | | | | | | | | | | | | | | | | | | | |
| View Al | I TAG | | | | | | | | | | | | | | | | | | С | OM TCP Server | | | |
| No. | UID | RSSI | LQI | TagVer | Packet | Model | KeyNo | Group | S State | Battery | ISN H | ISN L | D 1H | D 1L | D 2H | D 2L | ID | Count | | 192.168.1.193 | ΠĒ | 192.168.1.101 | |
| 1 | 0001000110880011 | 108 | 211 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | FA | A6 | 3A | 98 | 1234 | 9 | | 192 168 1 54 | - | 192 168 1 102 | |
| 2 | 0001000107461512 | 116 | 221 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 402.400.4.400 | 11 | 102.400.4.402 | - 1 |
| 3 | 2011061300000001 | 143 | 219 | 10 | 0000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.198 | | 192.168.1.103 | |
| 4 | 0001000111230007 | 104 | 213 | 10 | 00000001 | 02 | 00 | 00 | 000011111 | 15 | 00 | 00 | FB | 33 | 3C | 4D | 1234 | 2 | | 192.168.1.104 | | 192.168.1.104 | |
| 5 | 0001000111180159 | 121 | 221 | 10 | 00000001 | 00 | 00 | 00 | 00001101 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | E | 192.168.1.105 | | 192.168.1.105 | |
| 6 | 0001000109291029 | 100 | 185 | 10 | 0000001 | 00 | 00 | 00 | 000011111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | Г | 192.168.1.106 | ΠÌ | 92.168.1.106 | î I |
| 7 | 0001000107340328 | 123 | 163 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | I II | 192,168,1,107 | E I | 192.168.1.107 | |
| 8 | 0001000111060275 | 102 | 211 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | 102 169 1 109 | 1 | 102 169 1 109 | - 1 |
| 9 | 0001000107240004 | 111 | 223 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 10 | 00 | 00 | 00 | 1234 | 2 | | 192.100.1.100 | | 192.100.1.100 | |
| 11 | 2010072910309009 | 107 | 223 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | 192.168.1.109 | | 192.168.1.109 | |
| 12 | 0001000100100920 | 107 | 225 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | E | 192.168.1.110 | | 192.168.1.110 | |
| 12 | 0001000111330010 | 127 | 233 | 10 | 00000001 | 00 | 00 | 00 | 00001001 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 2 | | Destination F | ort : | 5001 | |
| 14 | 0001000111090014 | 94 | 213 | 10 | 00000001 | 00 | 00 | 00 | 00001101 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | - | | Destinution | o | | |
| 15 | 2010030900000007 | 111 | 217 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 2 | | | | | |
| 16 | 2011061300000002 | 183 | 233 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 17 | 0001000110072001 | 111 | 231 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 18 | 0001000110409503 | 130 | 239 | 10 | 00000001 | 00 | 00 | 00 | 00001001 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 4 | | | | | |
| 19 | 2010072910309003 | 175 | 231 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 15 | 00 | 00 | 40 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 20 | 0001000107340318 | 120 | 223 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 21 | 0001000111102551 | 114 | 221 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 22 | 0001000110261336 | 149 | 39 | 10 | 00000001 | 00 | 00 | 00 | 00001111 | 15 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 23 | 0001000120100302 | 146 | 217 | 10 | 0000001 | 01 | 00 | 00 | 00001101 | 7 | 00 | 00 | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 24 | 0001000110483191 | 91 | 183 | 10 | 0000001 | 02 | 00 | 00 | 000011111 | 15 | 00 | 00 | 03 | 5F | 03 | 5B | 1234 | 1 | | | | | |
| 25 | 0001000111070038 | 114 | 65 | 10 | 0000001 | 02 | 00 | 00 | 000011111 | 15 | 00 | 00 | 99 | AA | 07 | 22 | 1234 | 1 | | | | | |
| 26 | 0001000110460007 | 158 | 237 | 10 | 00000001 | 02 | 00 | 00 | 00001111 | 13 | 00 | 00 | FA | AA | 3A | D1 | 1234 | 3 | | | | | |
| 2/ | 0009000900010001 | 158 | 223 | 30 | 00000000 | 25 | 00 | 00 | 00000010 | 103 | F9 | BF | 00 | 00 | 00 | 00 | 1234 | 1 | | | | | |
| 28 | 0009000900010003 | 144 | 239 | 30 | 00000000 | 20 | 00 | 00 | 00000010 | 103 | 60 | | 00 | 77 | 00 | 00 | 1234 | 1 | | | | | |
| 29 | 11112222222224444 | 1/0 | 200 | 20 | 00000000 | 25 | 01 | 00 | 00000010 | 104 | 01 | 01 | 52 | 62 | FO | 00 | 1234 | 1 | | | | | |
| 30 | 11112222333334444 | 100 | 223 | 50 | 0000000 | 23 | 01 | 00 | 0000010 | 105 | cu | AI | JZ | 02 | IL. | 00 | 12.34 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | Т | AG Count: | 30 | | กี |
| | | | | | | | | | | | | | | | | | | | | TAG ID: 0001000 | 107340 | 322 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | G | | | - |
| | | | | | | | | | | | | | | | | | | | | L | ear | | |
| | | | | | | | | | | | | | | | | | | | | E | xit | | |
| | | | | | | | | | | | | | | | | | | | | 🔲 Beep 🗧 | NG | СНТ СН | S |

View ALL TAG 各欄位說明如下: (接收的訊息若無該欄資訊,則皆以0顯示)

UID: TAG 出廠的 UID, 該碼為唯一碼, 另外此欄也可顯示 CID, 端看使用者對 TAG 之設定。

RSSI: 訊號強度。

LQI: 訊號的連接質量。

TAGVER:欄位數值為 10: 為 V1 類型的 TAG ; 30 為 V3 類型 TAG。

 Packet:
 TAG 訊息詳情 EX: 00000001
 尾碼 1 代表此 TAG 傳送的是 UID
 反之為 0;尾

 二碼 1 表示有加密,反之為 0。
 .

Model: TAG 產品型號。

- Key NO: 若該 TAG 有加密,則顯示使用第幾組加密 KEY。
- Group: 群組 ID。
- S State: DI 狀態。(page 12)
- Battery: 電量表示 。 (V1: 電量 0~15 V3:數值乘以 0.0293)

ISN: 封包流水號。

D1、D2: 兩組 DI 資料。

- ZB ID: 裝置 ID (XT200)。
- Count: 收到 TAG 訊息的次數。

S State 狀態表:



5-5. Set Reader 讀卡機裝置設定頁面如下:

| Set TAG Set Reader | Read TAG | 6 | | | | |
|--|----------|---------|-------|--|------|------|
| IP : 192.168 | 1.101 | | Ρ | ort : 4001 | □ ID | 0000 |
| | Select F | unction | | | | |
| Reader Reset | | | Rea | der Initial | | |
| Get Version | | | Get F | Reader S/N | | |
| Get Reader ID | 0001 | | | Set Reader ID | | |
| Get Zigbee GID | 0001 | | | Set Zigbee GID | | |
| Get Zigbee MODE | Coordina | ator 💌 | | Zigbee MODE | | |
| TAG SEND MODE MODE GET STO RSSI Filter | DP SEND | | • | Version Filter TAG VER 1 TAG VER 2 | | |
| RSSI GET (| | • (|) | VERSION GET | r | |
| AES128 ADMAIN GUES | Т | | | | | |
| | Ex | it | | | | |

Select Function 功能選項

| Select Function | | | | | | |
|-----------------|---------------|----------------|---------------|--|----------------|--|
| Reader Reset | | Reader Initial | | | | |
| Get Version | | Get Reader S/N | | | | |
| Get Reader ID | 0001 | | Set Reader ID | | | |
| Get Zigbee GID | jbee GID 0001 | | jbee GID 0001 | | Set Zigbee GID | |
| Get Zigbee MODE | Coordin | ator 💌 | Zigbee MODE | | | |

Reader Reset: 重新啓動讀卡機。

Reader Initial:將讀卡機恢復出廠預設值。

Get Version: 讀取讀卡機韌體版本。

Get Reader S/N: 讀取讀卡機序號。

Get Reader ID / Set Reader ID:讀取/設定讀卡機裝置ID。

Get Zigbee GID / Set Zigbee GID:讀取/設定Zigbee ID。

Get Zigbee MODE/ Set Zigbee MODE:讀取/設定Zigbee模式為coordinator或Router。

GUEST 一般使用者

| TAG SEND MODE | Version Filter |
|----------------------|----------------|
| MODE GET STOP SEND - | TAG VER 1 |
| | TAG VER 2 |
| RSSI Filter | TAG VER 3 |
| RSSI GET () 0 | VERSION GET |
| AES128 ADMAIN GUEST | |

TAG SEND MODE: 設定TAG狀態(STOP-停止、AUTO-自動)。

點選 GET 取得目前狀態,或選擇模式後點選 MODE 設定狀態。

RSSI Filter: 可設定訊息接收的強度0~255 (超過多少強度才接收)

點選 GET 取得目前狀態,或選擇強度後點選 RSSI 設定狀態。

Version Filter: 選擇欲接收的TAG類型 (V1~V3)

ADMAIN 管理者

| SELECT KEY | | | |
|-------------------|--------------|--------------|----------|
| SELECT KEY G | ET PIN: 0000 | 000000000000 | |
| SELECT KEY | | (-2 ▼ KEY-3 | ₩ KEY4 |
| | V REI-J V RE | 1-0 JV KET-7 | I¥ KET-0 |
| | | | |
| AES128 ADMAIN GUE | EST | | |

SELECT KEY: 可勾選只接收符合哪幾組Key的TAG訊息 (1~8組)。

點選 GET 取得目前讀哪幾組KEY,或勾選key後點選 SELECT KEY 設定。

PIN:輸入正確的PIN才能進行設定,可將PIN視為ADMAIN設定該功能的權限密碼。

AES128 最高管理者

| AES-128 KEY SET |
|---|
| SET AES KEY |
| KEY 1 • AES KEY: 000000000000000000000000000000000000 |
| AES128 ADMAIN GUEST |

SET AES KEY:設定KEY1~8組的KEY內容。此權限只可寫入不可讀出。

PIN:輸入正確的PIN才能進行設定,可將PIN視為AES128設定KEY的權限密碼。

5-6. Set TAG設定頁面如下:

TAG ID: 選擇ID mode為UID或CID, 並輸入ID, 需正確方能設定該TAG。

| Xtive Utility_XT200 V0102 [2011-12-01] | <u>- 🗆 ×</u> |
|---|--------------|
| COM TCP Server | |
| IP : 192.168.1.203 Port : 5001 V ID 0264 | |
| Select Function | |
| TAG ID ID Mode: UID Mode ID: 2011081922000002 | |
| O.01 Sec Active Time | |
| Activte Count | |
| Image: Non-America Count Image: Non-America Count | |
| ● 0.1 Sec Beep | |
| O.1 Sec LED-R | |
| O.1 Sec LED-G | |
| AES-128 TAG-ADMAIN TAG-GUEST V1 TAG SET | |
| Exit | |
| | |
| 000000004 / 0000000 sec | |

TAG-GUEST 一般使用者-TAG

TAG Active Time:修改所選擇TAG的發射頻率

發射頻率為 傳輸倍率 × 傳輸速率

Ex.若要設定發射頻率為一分鐘,則設定方式為:

傳輸倍率(6) x 傳輸速率(10 sec) = 60 sec

Active Count: 傳輸倍率,搭配傳輸速率使用

Receive Count:設定所選擇TAG接收頻率間隔。

接收頻率與發射頻率有關係,在此設定的數值為發射頻率的倍數

Ex. TAG發射頻率設定為 1 x 2.5sec,接收頻率間隔設為 10,則TAG每隔 1 x 2.5sec x 10 = 25 sec 接收一次。

若是將TAG接收頻率間隔設為0,則TAG會停止接收任何訊號,此時需要將電池取出再裝回才能恢復接收

Beep:設定蜂鳴器秒數(0.1 sec)。

Ex. Beep值設為30,點選TAG Beep按鍵,則TAG會發出3秒的長音。所設定的值越大則發出的聲音越長。

LED-R:紅色LED燈亮秒數(0.1 sec)。

LED-G: 綠色LED燈亮秒數(0.1 sec) 。

PIN:輸入正確的PIN才能進行設定,可將PIN視為TAG-GUEST設定TAG的權限密碼。

TAG-ADMAIN 管理者-TAG

| | CID SET | UID/CID Mode |
|---|---------------------|-------------------------|
| PIN: 000000000000000000000000000000000000 | 0001 0001 0001 0001 | ID MODE SET CID MODE |
| | | AES ON/OFF AES128 OFF - |
| | SET CID | SELECT KEY KEY-1 |
| AES-128 TAG-ADMAIN TAG | -GUEST | |

CID SET: CID 設定, 輸入完成後點選 SET CID 即設定完成。

UID/CID Mode: 1. ID MODE SET:選擇TAG送出為UID或CID

2. AES ON/OFF: 選擇TAG是否加密

3. SELECT KEY:選擇TAG使用第幾組密碼

PIN:輸入正確的PIN才能進行設定,可將PIN視為TAG-ADMAIN設定CID與模式的權限密碼。

TAG-AES128 最高管理者-TAG

| AES128-KEY SET |] |
|---|---|
| SET TAG KEY KEY 1 KEY: 000000000000000000000000000000000000 | |
| PIN: 0000000000000 | |
| AES-128 TAG-ADMAIN TAG-GUEST |] |

KEY:設定TAG內的1~8組KEY內容,輸入完成後點選 SET TAG KEY 完成設定。

此權限只可寫入不可讀出。

PIN:輸入正確的PIN才能進行設定,可將PIN視為TAGAES128設定TAG的KEY的權限密碼

注意:

如新卡欲設定/更改設定或與該卡失聯須重新設定時:

將TAG重新開機,由於TAG在開機30秒內TAG會以原始UID且無加密狀態發送訊息傳與裝置,故必須利用時段內設定完畢。

故TAG-ADMAIN與AES128 部分皆只能在此時間內做設定。

5-7. Set TAG 資料是否輸出與紀錄頁面如下:

0:輸出但不紀錄。

1:輸出且紀錄。

2:不輸出但紀錄。

| 🛃 Xtive Utility_XT200 V0102 [2012-02-03] | | | | | |
|--|-------------------|------------|--------------|---------------|-----|
| Set TAG Set Reader Read TAG | | | | | |
| COM TCP Server | | | | | |
| IP : 192.168.1.200 Port : 5001 | □ ID 0339 | | | | |
| | Command Ok. | | | | |
| Model : XT200-X1 SN : | 12270339 | | Deeder In | la rus atla n | |
| Name : XT200-X1 ID : 0339 | 9 Ver: 0155 | 5 | Reader III | ormation | |
| Reader Reset | | Rea | nder Initial | | |
| Get Reader ID 03 | 39 | Set | Reader ID | | |
| | | | | | |
| Output Mode = 1 × output & record 💌 | Temperature #1: | 10 ~ | 20 10 | 10 | sec |
| Data Type = 0 × output , not record 1 × output & record | Temperature #2: | 20 ~ | 30 20 | 20 | sec |
| GPS Period : 2 · record , not output | Temperature #3: | 30 ~ | 50 20 | 30 | sec |
| Force record time : 30 sec | Temperature #4: | 50 ~ | 800 20 | 40 | sec |
| Tag Exit timeout : 85 sec | Humidity #1: | 10 ~ | 20 10 | 10 | sec |
| Filter Mode : 0 × none 💌 | Humidity #2 : | 20 ~ | 30 5 | 20 | sec |
| Output Port | Humidity #3 : | 30 ~ | 50 5 | 30 | sec |
| USB NET GPRS Bluetooth | Humidity #4: | 50 ~ | 100 5 | 40 | sec |
| Record Mode Tag Entry Tag Exit Force record | d 🔲 Over tolerate | e ∏ Overse | egment | | |
| | | | | | |
| Get Parameters S | et Parameters | | Tag Da | ntabase | |
| AES128 ADMAIN GUEST Parameter ZigBee Set | | | | | |
| | Exit | | | | |
| | | | | | |

5-8. Set TAG資料是否加入GPS 資訊頁面如下:

0:輸出的TAG 不加GPS 資訊。

1:輸出的TAG 加GPS資訊。

| 🛃 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | | | | |
|---|---|-------------------|-----------|-------------|-------------|-----|--|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | | |
| COM TCP Server | | | | | | | | | |
| IP : 192.168.1.200 Po | IP : 192.168.1.200 Port : 5001 	 D 0339 | | | | | | | | |
| Command Ok. | | | | | | | | | |
| Model : XT200-X1 SN : 12270339 | | | | | | | | | |
| Name : XT200-X1 | ID : 0339 \ | /er : 0155 | I | Reader | Information | | | | |
| Reader Reset | | | Rea | der Initial | | | | | |
| Get Reader ID | 0339 | | Set | Reader ID | | | | | |
| | | | | | | | | | |
| Output Mode : 1 · output & reco | rd 🗾 Tem | perature #1: 1 | 0~ | 20 | 10 10 | sec | | | |
| Data Type: 0 丶 Normal tag | ▼ Tem | nperature #2: 20 | 0 ~ | 30 | 20 20 | sec | | | |
| GPS Period = 0 × Normal tag 1 × Normal tag + | GPS Tem | nperature #3:3 | 0 ~ | 50 | 20 30 | sec | | | |
| Force record time : 30 sec | Tem | nperature #4 : 50 | 0 ~ | 800 | 20 40 | sec | | | |
| Tag Exit timeout: 85 sec | | Humidity #1 : 10 | 0 ~ | 20 | 10 10 | sec | | | |
| Filter Mode : 0 × none | • | Humidity #2 : 20 | 0 ~ | 30 | 5 20 | sec | | | |
| Output Port | | Humidity #3 : 30 | 0 ~ | 50 | 5 30 | sec | | | |
| USB VET GPRS | Bluetooth | Humidity #4 : 50 | 0 ~ | 100 | 5 40 | sec | | | |
| Record Mode | Force record | Over tolerate | ☐ Over se | egment | | | | | |
| Get Parameters | Set Par | ameters | [| Tag | Database | | | | |
| AES128 ADMAIN GUEST Parameter | ZigBee Set | | | | | | | | |
| | E | xit | | | | | | | |
| | | | | | | | | | |

5-9. Set GPS 資訊更新時間頁面如下:

時間範圍3~255 秒。

| 🛃 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | | | | |
|---|-------------|---------------|----|---------|----------|------------|-------|-----|--|
| Set TAG Set Reader Read TAG | | | | | | | | | |
| COM TCP Server | | | | | | | | | |
| IP : 192.168.1.200 Port : 5001 | Г | ID 0339 | | | | | | | |
| | Command Ok. | | | | | | | | |
| Model : XT200-X1 SN : | 122 | 70339 | | | Dee | | - 41 | | |
| Name : XT200-X1 ID : 033 | 9 V | er : 0155 | | | Read | aer inform | ation | | |
| Reader Reset | | | | Rea | nder Ini | tial | | | |
| Get Reader ID 03 | 339 | | | Set | Reade | r ID | | | |
| | _ | | | | - | | | | |
| Output Mode: 1 · output & record | Tem | perature #1: | 10 | ~ | 20 | 10 | 10 | sec | |
| Data Type: 0 、 Normal tag 🗸 🗸 | Tem | perature #2: | 20 | ~ | 30 | 20 | 20 | sec | |
| GPS Period : 3 sec | Tem | perature #3: | 30 | ~ | 50 | 20 | 30 | sec | |
| Force record time: 30 sec | Tem | perature #4: | 50 | ~ | 800 | 20 | 40 | sec | |
| Tag Exit timeout: 85 sec | 1 | Humidity #1: | 10 | ~ | 20 | 10 | 10 | sec | |
| Filter Mode: 0 × none - | ·] I | Humidity #2: | 20 | ~ | 30 | 5 | 20 | sec | |
| Output Port | 7 1 | Humidity #3: | 30 | ~ | 50 | 5 | 30 | sec | |
| USB VET GPRS Bluetooth | | Humidity #4: | 50 | ~ | 100 | 5 | 40 | sec | |
| Record Mode Tag Entry Tag Exit Force recor | rd 🗆 | Over tolerate | Г | Over se | egment | | | | |
| | | | | | | | | | |
| Get Parameters S | et Par | ameters | | | ٦ | Fag Databa | ase | | |
| AES128 ADMAIN GUEST Parameter ZigBee Set | | | | | | | | | |
| | E | xit | | | | | | | |
| | | | | | | | | | |

5-10. Set TAG 強破紀錄時間紀錄頁面如下:

時間範圍:3~65535秒。

| 🛃 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | | |
|--|--------------|-------------------|--------|--------|--------------|------|-----|
| Set TAG Set Reader Read TAG | | | | | | | |
| COM TCP Server | | | | | | | |
| IP : 192.168.1.200 Po | rt : 5001 | □ ID 0339 | | | | | |
| | Co | mmand Ok. | | | | | |
| Model : XT200-X1 | SN: | 12270339 | | D | a dan lufara | | |
| Name : XT200-X1 | ID : 0339 | Ver: 0155 | | Re | ader morn | auon | |
| Reader Reset | | | R | eader | nitial | | |
| Get Reader ID | 0339 |) | s | et Rea | ler ID | | |
| | | | 40 | 20 | 40 | - 40 | |
| Output Mode - 1 * output & recor | | l emperature #1 - | 10 | ~ 20 | 10 | | sec |
| Data Type: 0 丶 Normal tag | · · · | Temperature #2: | 20 | ~ 30 | 20 | 20 | sec |
| GPS Period : 3 sec | - | Temperature #3: | 30 | ~ 50 | 20 | 30 | sec |
| Force record time : 30 sec | 1 | Temperature #4: | 50 | ~ 800 | 20 | 40 | sec |
| Tag Exit timeout: 85 sec | | Humidity #1: | 10 | ~ 20 | 10 | 10 | sec |
| Filter Mode : 0 × none | • | Humidity #2: | 20 | ~ 30 | 5 | 20 | sec |
| Output Port | | Humidity #3: | 30 | ~ 50 | 5 | 30 | sec |
| USB VET GPRS | Bluetooth | Humidity #4: | 50 | ~ 100 | 5 | 40 | sec |
| Record Mode | Force record | C Over tolerate | □ Over | segme | nt | | |
| | Г | | 1 | | | | |
| Get Parameters | Set | Parameters | | | Tag Datab | ase | |
| AES128 ADMAIN GUEST Parameter | ZigBee Set | | | | | | |
| | | Exit | | | | | |
| | | | | | | | |

5-11. Set TAG 超時時間紀錄頁面如下。

時間範圍:3~65535秒。

| 🧏 Xtive Utility_XT200 V0102 [2012-02-03] | | | | | | | | | |
|--|--------------------------------|---------------|----------|-------------|------------|-----|--|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | | |
| COM TCP Server | | | | | | 1 | | | |
| IP : 192.168.1.200 Port : | 5001 | D 0339 | | | | | | | |
| | Command Ok. | | | | | | | | |
| Model : XT200-X1 SN | Model : XT200-X1 SN : 12270339 | | | | | | | | |
| Name: XT200-X1 ID | •: 0339 v | /er: 0155 | | Reader | mormation | | | | |
| Reader Reset | | | Re | ader Initia | I | | | | |
| Get Reader ID | 0339 | | Set | t Reader II |) | | | | |
| | | | | | | | | | |
| Output Mode: 1 • output & record | ▼ Tem | perature #1: | 10 ~ | 20 | 10 10 | sec | | | |
| Data Type: 0 ~ Normal tag | ▼ Tem | perature #2: | 20 ~ | 30 | 20 20 | sec | | | |
| GPS Period : 3 sec | Tem | perature #3: | 30 ~ | 50 | 20 30 | sec | | | |
| Force record time : 30 sec | Tem | perature #4: | 50 ~ | 800 | 20 40 | sec | | | |
| Tag Exit timeout: 85 sec | | Humidity #1: | 10 ~ | 20 | 10 10 | sec | | | |
| Filter Mode : 0 ~ none | - | Humidity #2: | 20 ~ | 30 | 5 20 | sec | | | |
| Output Port | | Humidity #3: | 30 ~ | 50 | 5 30 | sec | | | |
| □ USB □ NET □ GPRS □ | Bluetooth | Humidity #4: | 50 ~ | 100 | 5 40 | sec | | | |
| Record Mode | Force record | Over tolerate | C Over s | eament | | | | | |
| | , | | , | oginoin | | | | | |
| Get Parameters | Set Par | ameters | | Tag | j Database | | | | |
| AES128 ADMAIN GUEST Parameter Zig | gBee Set | | | | | | | | |
| | E | xit | | | | [| | | |
| | | | | | |] | | | |
| | | | | | | 1 | | | |

5-12. Set TAG過濾功能頁面如下:

系統會過濾掉TAG 資料庫沒有的TAG。

| 📕 Xtive Utility_XT200 V0102 [2012-02-03] | | | | | | | | |
|--|-----------------|-----------------|-----------|-------------|-----------|-----|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | |
| COM TCP Server | | | | | | | | |
| IP : 192.168.1.200 Port : | 5001 | ID 0339 | | | | | | |
| Command Ok. | | | | | | | | |
| Model = XT200-X1 SN | : 1227 | 0339 | | Deedeele | f | | | |
| Name : XT200-X1 ID | : 0339 Ver | r : 0155 | | Reader in | tormation | | | |
| Reader Reset | | | Rea | der Initial | | | | |
| Get Reader ID | 0339 | | Set | Reader ID | | | | |
| | | | | | | | | |
| Output Mode: 1 output & record | ▼ Tempe | erature #1: | 10 ~ | 20 10 |) 10 | sec | | |
| Data Type: 0 、 Normal tag | ▼ Tempe | erature #2: | 20 ~ | 30 20 |) 20 | sec | | |
| GPS Period : 3 sec | Tempe | erature #3: | 30 ~ | 50 20 |) 30 | sec | | |
| Force record time : 30 sec | Tempe | erature #4: | 50 ~ | 800 20 |) 40 | sec | | |
| Tag Exit timeout : 85 sec | Hu | umidity #1 : | 10 ~ | 20 10 |) 10 | sec | | |
| Filter Mode : 0 × none | → Hu | umidity #2: | 20 ~ | 30 5 | 20 | sec | | |
| Output Port 0 > none | H | umidity #3: | 30 ~ | 50 5 | 30 | sec | | |
| | Billerooth Hu | umidity #4: | 50 ~ | 100 5 | 40 | sec | | |
| Record Mode | | Ducer to loroto | E 0 | | | | | |
| | orce record C | over torerate | 1 Over se | gment | | | | |
| Get Parameters | Set Paran | neters | 1 | Tag D | atabase | | | |
| AES128 ADMAIN GUEST Parameter Zig | Bee Set | | | | | | | |
| | Exi | t | | | | | | |
| | | | | | | | | |

5-13. Set TAG 資料輸出Port頁面如下:

輸出介面有Ethernet 、GPRS、Wi-Fi、Bluetooth等。

| 🧏 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | [| | | |
|--|--------------|---------------|----------|-----------|-----------|-------|-----|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | | |
| COM TCP Server | | | | | | | | | |
| IP : 192.168.1.200 Po | ort : 5001 | □ ID 0339 | - | | | | | | |
| | Command Ok. | | | | | | | | |
| Model : XT200-X1 | SN : 12 | 2270339 | | Deed | an Infann | | | | |
| Name : XT200-X1 | ID : 0339 | Ver : 0155 | | Read | er inform | ation | | | |
| Reader Reset | | | Re | ader Init | ial | | | | |
| Get Reader ID | 0339 | | Se | t Reader | ID | | | | |
| | | | | | | | | | |
| Output Mode : 1 ~ output & reco | rd 🗾 Ter | mperature #1: | 10 ~ | 20 | 10 | 10 | sec | | |
| Data Type 🗧 🛛 🕆 Normal tag | ▼ Ter | mperature #2: | 20 ~ | 30 | 20 | 20 | sec | | |
| GPS Period : 3 sec | Ter | mperature #3: | 30 ~ | 50 | 20 | 30 | sec | | |
| Force record time : 30 sec | Ter | mperature #4: | 50 ~ | 800 | 20 | 40 | sec | | |
| Tag Exit timeout: 85 sec | | Humidity #1: | 10 ~ | 20 | 10 | 10 | sec | | |
| Filter Mode: 0 × none | - | Humidity #2: | 20 ~ | 30 | 5 | 20 | sec | | |
| -Output Port | | Humidity #3: | 30 ~ | 50 | 5 | 30 | sec | | |
| USB VIET GPRS | E Bluetooth | Humidity #4: | 50 ~ | 100 | 5 | 40 | sec | | |
| Record Mode Tag Entry Tag Exit | Force record | Over tolerate | ☐ Over s | egment | | | | | |
| Get Parameters Tag Database Tag Database | | | | | | | | | |
| AES128 ADMAIN GUEST Parameter | ZigBee Set | | | | | | | | |
| | | Exit | | | | | | | |
| | | | | | | | | | |

5-14. Set TAG 資料記錄模式頁面如下:

Tag Entry:系統收到新TAG時紀錄。

Tag Exit:已存在的TAG 超時紀錄。

Force record-Tag:紀錄最小時間間隔。

Over tolerate:當TAG 溫溼度超出範圍時紀錄。

Over segment:當TAG溫溼度超越否一段所設定值則紀錄。

| 📕 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | | | | |
|--|--------------------------------|-----------------|---------|--------------|-------------|-----|--|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | | |
| COM TCP Server | | | | | | | | | |
| IP : 192.168.1.200 Po | ort : 5001 | □ ID 0339 | | | | | | | |
| Command Ok. | | | | | | | | | |
| Model : XT200-X1 | Model : XT200-X1 SN : 12270339 | | | | | | | | |
| Name : XT200-X1 | ID : 0339 | Ver : 0155 | | Reader | Information | | | | |
| Reader Reset | | | Rea | ader Initial | | | | | |
| Get Reader ID | 033 | 9 | Set | Reader ID | | | | | |
| | | | | , | | | | | |
| Output Mode : 1 \ output & reco | rd 🗾 | Temperature #1: | 10 ~ | 20 | 10 10 | sec | | | |
| Data Type: 0 丶 Normal tag | • | Temperature #2: | 20 ~ | 30 | 20 20 | sec | | | |
| GPS Period : 3 sec | | Temperature #3: | 30 ~ | 50 | 20 30 | sec | | | |
| Force record time : 30 sec | | Temperature #4: | 50 ~ | 800 | 20 40 | sec | | | |
| Tag Exit timeout: 85 sec | | Humidity #1: | 10 ~ | 20 | 10 10 | sec | | | |
| Filter Mode : 0 > none | • | Humidity #2: | 20 ~ | 30 | 5 20 | sec | | | |
| Output Port | | Humidity #3: | 30 ~ | 50 | 5 30 | sec | | | |
| USB VET GPRS | E Bluetooth | Humidity #4: | 50 ~ | 100 | 5 40 | sec | | | |
| Record Mode | Force record | Over tolerate | Over se | eament | | | | | |
| rug Endy je rug Exit | | | | symon | | | | | |
| Get Parameters | Set | t Parameters | | Tag | Database | | | | |
| AES128 ADMAIN GUEST Parameter | ZigBee Set | | | | | | | | |
| | | Exit | | | | 1 | | | |
| P | | | | | | | | | |
| | | | | | | 1 | | | |

5-15. Set TAG各溫溼度段的範圍參數頁面如下:

溫度設定範圍-40.00°~1600.00°。

溼度設定範圍0.00%~100.00%。

| 📕 Xtive Utility_XT200 ¥0102 [2012-02-03] | | | | | | | | |
|--|---|----------|-------------|----------|--|--|--|--|
| Set TAG Set Reader Read TAG | | | | | | | | |
| COM TCP Server | | | | | | | | |
| IP : 192.168.1.200 Port : 5001 | IP : 192.168.1.200 Port : 5001 	 D 0339 | | | | | | | |
| C | Command Ok. | | | | | | | |
| Model : XT200-X1 SN : 12270339 | | | | | | | | |
| Name : XT200-X1 ID : 0339 | Ver: 0155 | | Reader In | ormation | | | | |
| Reader Reset | | Rea | der Initial | | | | | |
| Get Reader ID 03 | 39 | Set | Reader ID | | | | | |
| | | | | | | | | |
| Output Mode : 1 × output & record 🗸 🗸 | Temperature #1: 🛙 | 10 ~ | 20 10 | 10 sec | | | | |
| Data Type: 0 、 Normal tag 🔹 💌 | Temperature #2: 🛛 | 20 ~ | 30 20 | 20 sec | | | | |
| GPS Period: 3 sec | Temperature #3: 🕄 | 30 ~ | 50 20 | 30 sec | | | | |
| Force record time : 30 sec | Temperature #4: | 50 ~ | 800 20 | 40 sec | | | | |
| Tag Exit timeout: 85 sec | Humidity #1 : 🛛 | 10 ~ | 20 10 | 10 sec | | | | |
| Filter Mode = 0 × none 💌 | Humidity #2 : 2 | 20 ~ | 30 5 | 20 sec | | | | |
| Output Port | Humidity #3 : 3 | 30 ~ | 50 5 | 30 sec | | | | |
| USB VET GPRS Bluetooth | Humidity #4 : | 50 ~ | 100 5 | 40 sec | | | | |
| Record Mode | | | | | | | | |
| I Tag Entry I Tag Exit I Force record | d 🗆 Over tolerate | Over se | gment | | | | | |
| Cat Parameters S | at Daramatara | 1 | Tan Da | takan l | | | | |
| | et Parameters | | Tag Da | napase | | | | |
| AES128 ADMAIN GUEST Parameter ZigBee Set | | | | | | | | |
| | Exit | | | | | | | |
| | | | | | | | | |
| | | | | / | | | | |

註:當溫度或是溼度超過目前所處的區段的或超過所設定的容忍值則紀錄會加以紀錄。

5-16. Read Tag log 頁面如下:

| 📕 Xtive Utility_X1 | 200 ¥0102 [2012-02-0 | 3] | | | | | | |
|--------------------|----------------------|------------|--------|-------|-------|------------------------|----------------------|--|
| Set TAG Set R | eader Read TAG | | | | | | | |
| View All TAG | | | | | | COM TCP Server | | |
| No. UID | RSSI | LQI TagVer | Packet | Model | KeyNo | 192.168.1.54 | □ 192.168.1.197 | |
| | | | | | | [192.168.1.193 | □ 192.168.1.200 | |
| | | | | | | 192.168.1.101 | 192.168.1.103 | |
| | | | | | | [192.168.1.104 | 192.168.1.104 | |
| | | | | | | [192.168.1.191 | □ 192.168.1.105 | |
| | | | | | | 192.168.1.199 | □ 192.168.1.106 | |
| | | | | | | ▼ 192.168.1.200 | □ 192.168.1.107 | |
| | | | | | | 192.168.1.205 | 192.168.1.108 | |
| | | | | | | 192.168.1.198 | 192.168.1.109 | |
| | | | | | | □ 192.168.1.199 | □ 192.168.1.110 | |
| | | | | | | Destination | Port : 5001 | |
| | | | | | | | | |
| | | | | | [| TAG Count: | 0 | |
| | | | | | | TAG ID: 000000 | 000000000 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | TA | G Log | |
| | | | | | | Start | | |
| | | | | | | с | lear | |
| | | | | | | | | |
| | | | | _ | > | | | |
| 000000000 / 0 | 0000005 sec | | | | | | | |

XT200 韌體更新(X1、ZX1)

注意: 韌體更新請確認設備於電源、網路皆穩定的情況下更新,以防因網路或電源 不穩造成失敗; 韌體更新完成後,請勿立即中斷電源或網路,確認燈號停止閃爍並 發出嗶聲後,方可進行電源、網路中斷或插拔。

- 設備連接:依照Page 2接線圖連接電源、網路、天線,使用MDNET設定IP後即可使用;無IP設 定則選擇COMP。(IP設定請參照 Page 3 初始設定)
- 2. 點選並開啓工具 V7FirmwareTools 與注意事項如下圖:

| 🕜 V7割體更新工具 | 🎚 ¥0717 [2011-07-27] | | | | |
|------------------|----------------------|------------------------|--------------------|---------|----------|
| 檔案(E) 語言(Lang | wage) 關於(<u>A</u>) | | | | |
| | | 選擇韌體檔案 | 6 | 0 0 | 0 |
| | | | 機型: | | 版本: |
| | 1 | . 選擇韌體檔案 | ٤ <mark>(S)</mark> | | |
| 串列 注意! | | | | | |
| 連接! | :更新產品韌體會影響產品上的 | の部分資料、為確保資料3 () 確定 | 安全,建議您在更新韌 | 體前先備份您的 | 的資料。)000 |
| | | 名稱: | 版和 | *: | ISP: |
| Hogram/Covintoad | | | | | |
| | | 3. 更新(<u>U</u>) | | | |

3. 點選 選擇韌體檔案S 從檔案視窗選擇欲更新的韌體檔案。

| ☑ ▼7割関連新工具 ▼0717 [2011-07-2 | 71 | | |
|-----------------------------|-----------------------|---------|----------|
| 檔案(P)語言(Language) 關於(A) | | | |
| | 執行連線裝置 | 0 0 | 0 |
| 檔名: C1×T200-× | V0110 GYG 機型: × | T200-X1 | 版本: 0110 |
| | 1. 選擇韌體檔案(<u>S</u>) | | |
| 串列 網路 | ID: 0001 | | Þ |
| IP: 192.168.1.195 | 2. 連線裝置(C |) | 密鑰: 0000 |
| 連接早: 5001 | 機型: 序號: | | ID: |
| | 名稱: | 版本: | ISP: |
| Program/Download | | | |
| Verty check | | | 1 |
| | 3. 更新(<u>U</u>) | | |

4. 依照設備連接方式選擇網路或串列,輸入設備IP或comport後,點選 連線裝置C。

| 裝置連線完成後, | 裝置資訊將顯示於工具畫面上如下 | • • |
|----------|-----------------|-----|
|----------|-----------------|-----|

| 🕜 〒7912211-07-27] | | | |
|--------------------------|------------------------|-----------|--|
| 檔案(F) 語言(Language) 關於(A) | | | |
| | 連線裝置完成. 0 | 0 0 🔿 | |
| 檔名: CVXT200×1/011 | 0.SYB 機型: XT200-X1 | 版本: 0110 | |
| 1. 選擇韌體檔案(<u>S</u>) | | | |
| 串列 網路 | ID: 0001 | · | |
| IP: 192.168.1.195 | 2. 連線裝置(<u>C</u>) | 密鑰: 0000 | |
| 連接阜: 5001 | 機型: 8401 序號: 11270195 | ID: 0001 | |
| | 名稱: ×1200-2×1 版本: 0110 | ISP: 0110 | |
| Program/Download | | | |
| Verity check | | | |
| 3. 更新(<u>U</u>) | | | |

5. 確認機型等資訊為欲更新的設備後,點選 更新U 進行韌體更新。

| Y7期世更新工具 Y0717 [2011-07-27] |] | | | |
|--------------------------------|--------------------------|---------------------|--|--|
| 檔案(E) 語言(Language) 關於(A) | | | | |
| | 燒錄咸入中 | 0 0 0 🔴 | | |
| 檔名: CY/1200 X/VI | 910.5Ye 機型: | ×T200×1 版本: 0110 | | |
| 1. 選擇韌體檔案(S) | | | | |
| 串列網路 | ID: 0001 | • | | |
| IP: 192.168.1.195 連接阜: 5001 | 2. 連線裝置(| C) 密鑰: 0000 | | |
| | 機型: <mark>8401</mark> 序號 | : 11270195 ID: 0001 | | |
| | 名稱: XT200-2×1 | 版本: 0110 ISP: 0110 | | |
| Program/Download | | | | |
| Yority check | | | | |
| | 3. 更新(<u>U</u>) | | | |

6. 更新完成畫面如下:

| マ7朝健更新工具 マ0717 [2011-07-27] | 7] | | |
|-----------------------------|---------------|-------------|-----------|
| 檔案(E) 語言(Language) 關於(A) | | | |
| | 更新完成. | 0 0 | |
| 檔名: CV/7200 × · | /0110.SYG 機型: | ×T200-X1 | 版本: 0110 |
| 1. 選擇韌體檔案(S) | | | |
| 串列網路 | ID: 0001 | | Þ |
| IP: 192.168.1.195 | | <u>t(C)</u> | 密鑰: 0000 |
| 連接阜: 5001 | 機型: 8401 序閉 | 虎: 11270195 | ID: 0001 |
| | 名稱: ×1200-ZX1 | 版本: 0110 | ISP: 0110 |
| Regen/Doveload | | | |
| Yordy check | | | |
| 3. 更新(<u>U)</u> | | | |

6. Zigbee、Wifi、GPRS Jump設定(出廠預設)



7. Zigbee、Wifi、GPRS Jump設定(自行設定)



UART LIST :

每個UART僅能擇一模式使用, UART1建議固定為4A,UART3建議固定為Zigbee。

| | UART 1 | UART 2 | UART 3 |
|-------------|--------|--------|------------|
| | 4A | 4R | 4 M |
| ZigBee | | V | V |
| MD-3 Module | V | V | V |
| MD-2 Module | | V | V |
| 4A | V | | |
| 4R | | V | |

UART1與UART2 不上JUMPER即為 4A/4R

Module 位置表示:



| UART 1 | UART 2 | UART 3 | |
|--------|-------------|-------------|--|
| 4A | WiFi | | |
| | GPRS | ZigBee | |
| | 4R | | |
| 4A | MD-3 Module | MD-2 Module | |
| | 4R | | |
| 4A | MD-2 Module | MD-3 Module | |
| | 4R | | |
| WiFi | GPRS | Zigbee | |
| | 4R | | |
| WiFi | MD-3 Module | MD-2 Module | |
| | 4R | | |
| WiFi | MD-2 Module | | |
| | 4R | | |



註:模組Jump 設定基本上以出廠預設為主,如有特殊需求請洽原廠諮詢。

8. 恢復出廠預設値

打開機盒,接著按下SW3按鈕(下圖紅框所示)五秒以上,接著會聽到嗶聲表示成功恢復出廠預設值。

