

SOYAL

SOYAL 701Server XML 格式範例教學

Version 1.01

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SOYAL 提供 XML 格式與 Json 格式，方便第三方臉辨系統與 SOYAL 門禁系統整合; 透過 XML 格式可傳送人臉數據到 SOYAL 701Software; 透過 XML 格式可經由 701Software 觸發控制器門鎖繼電器開門。

方案一：透過 XML 格式可傳送人臉數據到 SOYAL 701Software

首先,需要在 SOYAL 701software 裡先建立好用戶的基本門禁資料，包括：用戶位址,卡 ID，通行時段，通行門組，姓名，部門資料等；然後透過 XML 格式從臉辨系統傳送人臉數據(主要是傳送用戶照片)。

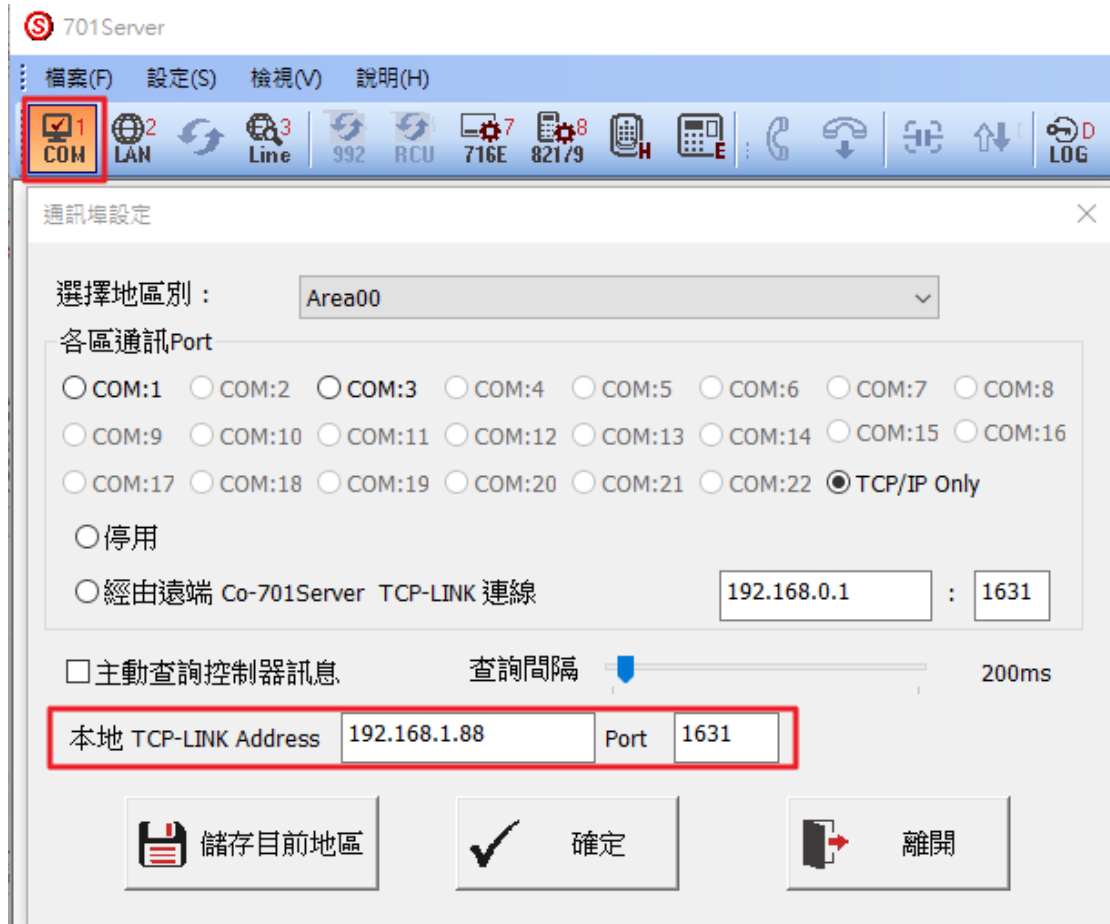
SOYAL 701Server 支援 XML 格式:

```
<?xml version="1.0" encoding="utf-8"?>
<ExportToSoyal> // 開頭 //
<Count>1</Count> // 傳輸筆數 //
<Faceltem_0> // 人臉封包開始 //
<Name>Soyal</Name> // 用戶姓名 //
<TagID>12229:10401</TagID> //卡 Card ID //
<UserNum>600</UserNum> // 用戶地址 //
<Mode>1</Mode> // 通行模式 0:無效; 1:讀卡即可//
<Dep>RD</Dep> // 部門名稱 //
<Snapshot>/9j/4QVGR .....</Snapshot>
// 用戶照片數據, 照片格式 JPG, 需用 Base64 加密後可得到照片數據, 每張照片大小需小於 100KB// https://www.base64-image.de
</Faceltem_0> //人臉封包結束 //
</ExportToSoyal> // 結尾 //
```

範例

1. 開啟 701Server, 在 COM 設定畫面裡輸入 TCP-Link 地址 跟 Port Number

備註：701Software 需使用 SQL Base 版本，不支援 File Base 版本



2. 使用 Packet Sensor 測試

2-1 按照 XML 格式 輸入

<https://www.base64-image.de/>

SOYAL

```
<?xml version="1.0" encoding="utf-8"?>
<ExportToSoyal>
<Count>1</Count>
<FacItem_0>
<Name>Soyal</Name>
<TagID>22229:11401</TagID>
```


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Xvxr/wAFr/8AgpH8IP269C+AH7L37HI5q3xo0+5+ldt4+8Qappnw2+IGla7qvxHms9V+Hnw
x+HfgLSfEVpoPibW9WvoPF/i658R6ZH4BvYtSvNV+Hdt4T8R3OoR+KtFh/pG/4J9/sq3n7
Pf7AXwU/Zg+MWM6T4q1C2+HniSD4p+Etf0jQtV0IXnxc8QeKPHXjj4aa1p8Gq+K/DPirSf
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DI8VhxZ4t0+0+3/wDghV8Jv2vNV+HGtftZfW/H39p3xdB8TtJm8NfBj4Tf/4keK/FXhG5+
HF1L4Z8Qx/HA6P4t8S6/qC6t4r1CxI0P4fXUumeFZbbwVa654ItG8XeGfid4Z1PSv55v8Ag
IX+yV8J/wBr7/go/b+FtCi1a/8A2bfhPq3jH47r4d+KieG7rxt4x+E/gTxlpOnfDfwf420iz8N+Jv
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8bPjj9t+E/wl/s/VfsHiLQ/7WsX/AOE8+JWmf2b4q8L+LdM/4V/4Sluf7C8ZeGv7W/4RT4p+I
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vwF4s8KfGfVlv7au/B2teCdX+EviS28G6P4m/tjw9qngKDn/hKPGPiHx9pOheBtO8Hf0jf8G
2fj7/hlf2JviV4Gv8Axr/bmrfDv9obxN/Zvg688R/2nqPgbwJ4t8EeAdY0X7D4emvJ7nwz4S8
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D/ZV+BFxY/AP4sePfhpeX+hFoeBfFPinxhqFrY6/eeGbr4hpP8WNX0jTvED+G/sa6F4e8I
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h54n8Za74lvPjJqHi/w74b8B61p3w1TxdP4V1a18M/E7VPFWpazDH4i0KK88GzeG47qR9
dsNXg/sP/Zp/wCCj/7GH7YHjvVvhp+zp8Zf+FieNtD8JX/jnVNF/wCFefFbwI9I8LaZrGg6Bfa
p/aXjnwN4Z0mfyNW8TaHafYbe/m1GT7b58NpJbW13Nb/YeEvE2WZhjOLswx/EOXrMOI
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mY5hicRxLmIDDYjO/7O9phsRg8QsR9wUUUV+8n+TQV+Y3jn/gjT/wAEzPiH4p1Txjr/AO
yj4S0/VtY+xfat7TwN4u+J/wv8AC0P9n6daaXB/Zf gb4aeOPCXgnQ/MtrKGW+/sXw9p/wDa
eovd6xqX2vVtQv765/TmivMzPjcmzqFKInOU5Zm1KhOVSjTzPAYXHwozkuWU6UMVSq
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58M6TP5GreJtcu/t1xYTajJ9t8ia7kra0ht/uCiuN8OcPPLY5M8hyV5RGp7aOVPK8C8tjVc5
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v8Aw81L4T33gLQI5fCmhQfDjVfDc3g+68laLF4WI0efw1pMXhmd9G02Pw7PpUuj2awrpE
ti9tbvF4f+y7+w1+y1+xf/AMJz/wAM0/C7/hW3/Cyf+EZ/4TX/Alrb4i+Mf7a/4Q7/AISD/hHP+
R+8XeKf7O/s7/hKde/5BP2D7Z9v/wBP+1fZbP7P9Z0V1zyrLkMmWmYVMuwFTH5fTqUc
Bjp4PDyxmCpVYSpVaWExMqbrYanUpTnTqQozhGcJyhJOMmn8/huPeOcfW5xDwfg+N
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HxWHOYijOFWITnH8mf+HGn/BLT/o17/zNn7RP/wA9uVp39mP/AIJ9/sefsca74n8U/s4/BT
Sfh74m8Y6TZ6Br3iKbxJ448ba7LoVneHURoum6v8QfFHivUNA0m+1BbS+1rTdAuNMs/E
F5pOgXWuw6jP4d0J9O+yaK8zB8lcJ5diaWNy/hfh3A4yg3KHi8HkuW4XE0ZSjKEpUq9D
DQq03KEpQbhOLcZSi9G0/t+JPpFfSC4yyTH8M8X+OvjHxVw3mtOnRzTh/iTxO42zzJMy
pUa9LFUqWPyrNM7xWAxIOliaFDEU4YjD1lwr0aVaKVSncSKKKK+iPwKKKKACiiigAoo
ooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKK
KACiiigAooooAKKKKACiiigAooooA//Z</Snapshot>

</FacItem_0>

</ExportToSoyal>

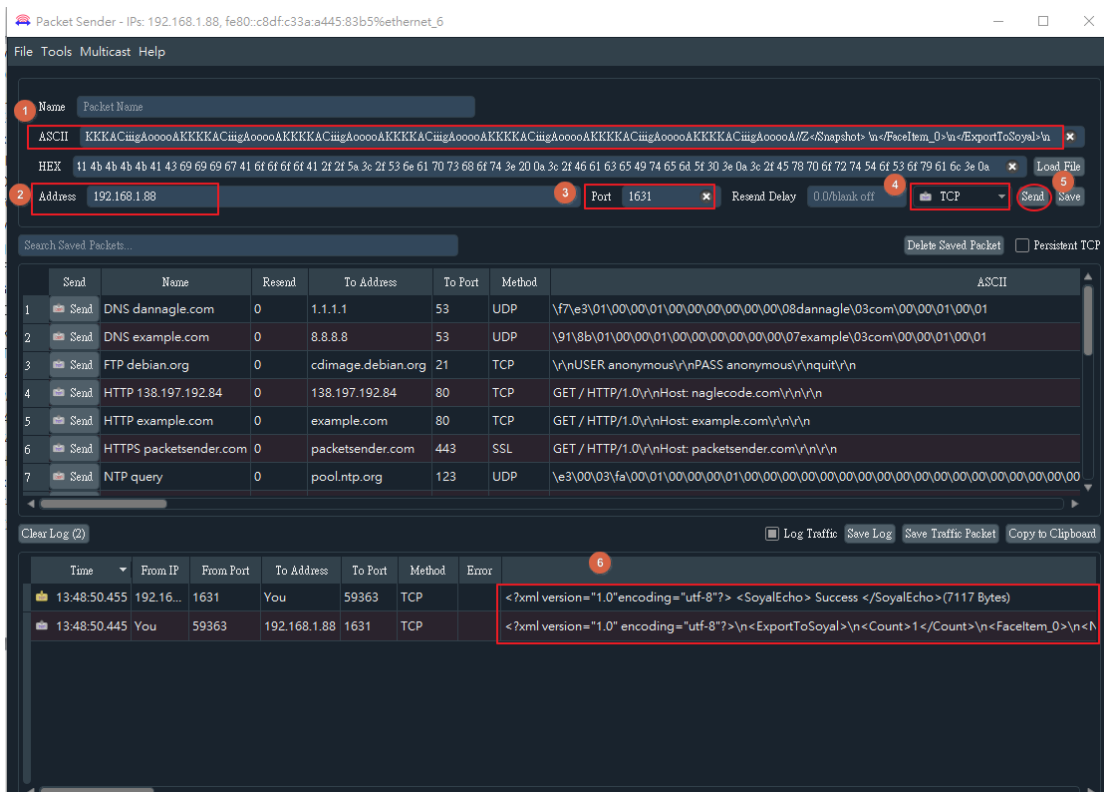
2-2 輸入 TCP-LINK 地址


2-3 輸入 Port Number

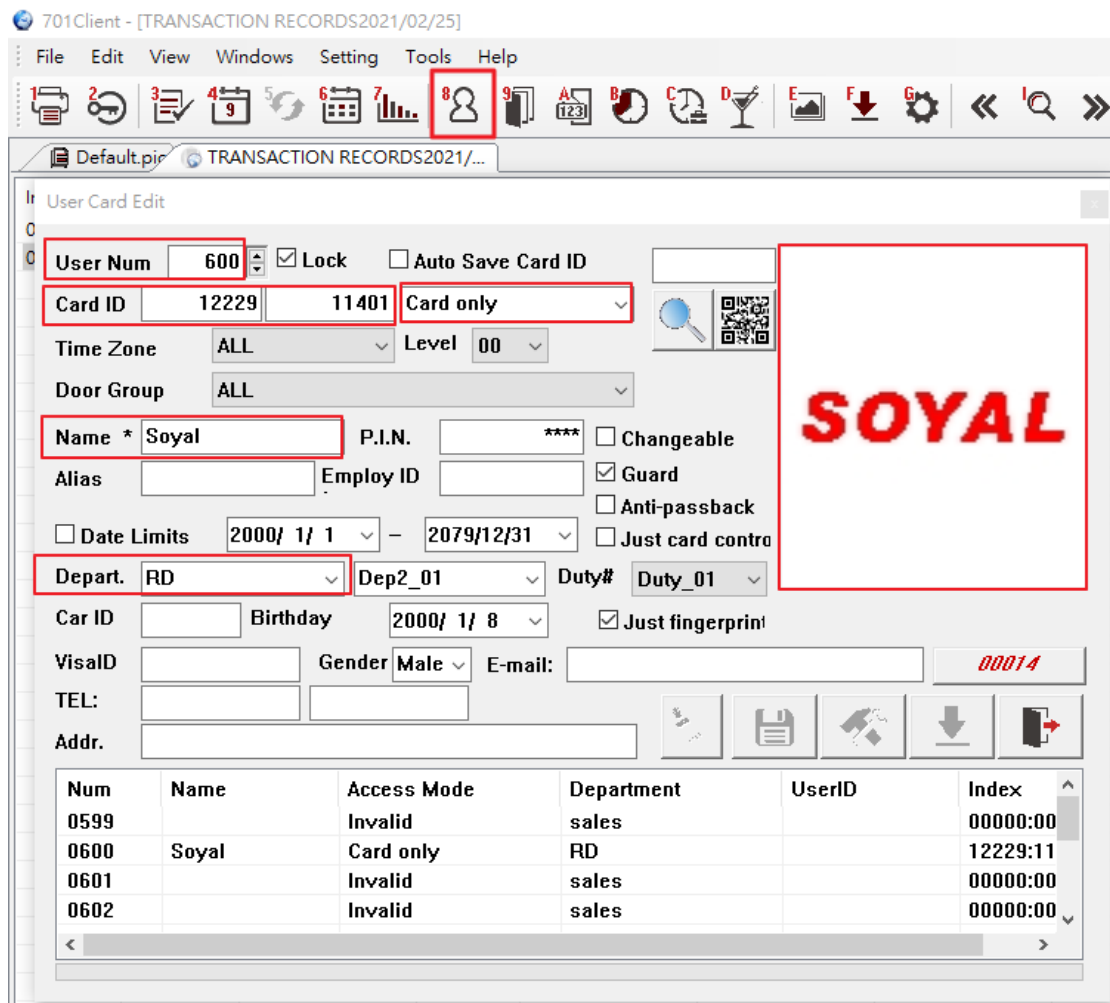
2-4 選擇 “TCP”

2-5 點選 “Send” 發送

2-6 回應 Success 表示成功



3. 開啟 701Client，點選  進入卡片資料編輯設定畫面，找到用戶地址 600，我們會發現包括用戶位址、卡 ID、通行模組、姓名、部門 1 及照片的六項用戶信息已經被傳送到 701Client 軟體裡。



方案二：透過 XML 格式可經由 701Software 觸發控制器門鎖繼電器
開門

指令格式 Set Controller Output State:

```
<?xml version="1.0" encoding="utf-8"?> //fixed value of XLM head format//
<SoyalXML> // Head 開頭//
<Count>1</Count> // Total user command set 傳輸筆數 //
<Command_0> // Command set number //
<CmdCode >1004</CmdCode > // Command Code (Please Reference JSON Command) //
<Area>0</Area> // Area Code 區域 //
<StartNode>1</StartNode> // Controller Node ID of this Area 控制器站號//
<StartPp>256</StartPp> // Controller IO Mapping Table 控制器IO Mapping表//
<State>1</State> // 0: For Off 開啟 1: ForOn 關閉 //
```



```
<Value>1</Value> // 0: For Latch(default) 持續開門輸出 1:For Pulse 短暫開門輸出 //  
</Command_0 > // The last packet data no //  
</SoyalXML> // End 結尾//
```

範例：開啟 837E Node ID 001 短暫開門輸出 Door Relay Pulse On

用 Packet Send 測試

1-1 輸入如下範例指令 或者把指令範例存入 TXT file 用 **Load File** 載入

```
<?xml version="1.0" encoding="utf-8"?>  
<SoyalXML>  
<Count>1</Count>  
<Command_0>  
<CmdCode >1004</CmdCode >  
<Area>0</Area>  
<StartNode>1</StartNode>  
<StartPp>256</StartPp>  
<State>1</State>  
<Value>1</Value>  
</Command_0 >  
</SoyalXML>
```

1-2 輸入 TCP-LINK 地址

1-3 輸入 Port Number

1-4 選擇 “TCP”

1-5 點選 “Send” 發送

1-6 回應 Success 表示成功

Packet Sender - IPs: 192.168.1.88, fe80:c8dfc33a:a445:83b596ethermet_6

File Tools Multicast Help

1 Name Packet Name

ASCII `<?xml version="1.0" encoding="utf-8" ?><SoyalXML>\n<Count>1</Count>\n<Command_0>\n<CmdCode >1004</CmdCode >\n<Area>0</Area>\n<StartNode>1</StartNode>\n<StartP>256</StartP> \n<State>1</State>\n<Value>1</Value>\n<Command_0 >\n<?xml version="1.0" encoding="utf-8" ?><SoyalXML>\n`

HEX `2f 53 74 61 72 74 50 70 3e 20 04 0a 3e 53 74 61 74 65 3e 31 3e 2f 53 74 61 74 65 3e 04 0a 3e 56 61 6e 75 65 3e 31 3e 2f 56 61 6e 75 65 3e 04 0a 3e 2f 43 6f 6d 6d 6e 64 5f 30 20 3e 04 0a 3e 2f 53 6f 79 61 6e 50 44 4e 3e 04 0a` Load File

2 Address 192.168.1.88

3 Port 1631

Resend Delay 0.0/blink off

4 TCP

Send

Search Saved Packets... Delete Saved Packet Persistent TCP

Send	Name	Resend	To Address	To Port	Method	ASCII
1	DNS dannagle.com	0	1.1.1.1	53	UDP	\f7(e3\01\00\00\01\00\00\00\00\00\00\00\08dannagle\03com\00\00\01\00\01
2	DNS example.com	0	8.8.8.8	53	UDP	\91\8b\01\00\00\01\00\00\00\00\00\00\07example\03com\00\00\01\00\01
3	FTP debian.org	0	cdimage.debian.org	21	TCP	\nUSER anonymous\nPASS anonymous\nquit\n
4	HTTP 138.197.192.84	0	138.197.192.84	80	TCP	GET / HTTP/1.0\nHost: naglecode.com\n\n
5	HTTP exaple.com	0	example.com	80	TCP	GET / HTTP/1.0\nHost: example.com\n\n
6	HTTPS packetsender.com	0	packetsender.com	443	SSL	GET / HTTP/1.0\nHost: packetsender.com\n\n

Clear Log (2) Log Traffic Save Log Save Traffic Packet Copy to Clipboard

Time	From IP	From Port	To Address	To Port	Method	Error
15:50:53.072	192.16...	1631	You	62278	TCP	<?xml version="1.0" encoding="utf-8" ?><SoyalEcho> Total 1 Commands </SoyalEcho>
15:50:53.050	You	62278	192.168.1.88	1631	TCP	<?xml version="1.0" encoding="utf-8" ?> \n<SoyalXML>\n<Count>1</Count>\n<Command_0>\n<CmdCode >1004</CmdCode

UDP-59549 TCP Server Disabled SSL-62006 IPv4 Mode