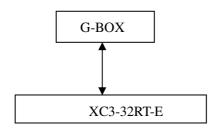


G-BOX application

Application introduction:



Use a G-BOX to connect with XC3-32RT-E PLC, to realize the following function:

- 1. Send message: "W M0 1", the output LED Y0 will be ON.
- 2. Send message: "W M1 1", the output LED Y1 will be ON, Y0 will be OFF.
- 3. Send message: "W M2 1", the output LED Y2 will be ON, Y1 will be OFF.
- 4. Send message: "W M3 1", the output LED Y3 will be ON, Y2 will be OFF.
- 5. Send message: "W M4 1", the output LED Y0-Y3 will turn from ON and OFF in sequence.

Operation steps:

1. The installation of SIM card





Add the SIM card, then insert them into G-BOX.(Make sure the SIM card support GPRS, and pay attention that when the card insert into G-BOX, all the message in it will be deleted.)



2. T-BOX configuration

① Give G-BOX power, and connect the serial port of G-BOX to PC. Make sure the code

switch is "0001". Then open the XCPPro.

Check the serial port:

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② Config as follows:

"option" \rightarrow "communication mode config"

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"Add G-BOX"

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| PLC Information | | | | | | | | |
| PLC CPU Information | | | | | | | | |
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| Instruction Class | | | | | | | | |

"Read from G-BOX"

| Edit GBOX Device | <u>×</u> |
|---|--|
| Login in Name: thinget Psw: 03-08-10-06-00-01-00-00 | Name Phone Station |
| Remote Login in Server IP: 61 .160 .67 .86 Port: 502 Server 2 Name: Thinget Slave Server | |
| Serial Port Baudrate: 19200 BPS Databits: 8Bit Stopbits: 1Bit Parity: Even Send Delay(ms): 255 Connect To FLC FLag Connect To FLC FLag Kenable Station Num: 1 Refresh(ms): 1 Reg Name: M1000 | Comment Device Name: GBOX Defaulted Comment: Defaulted GBOX, Need Edit, Create Date of:2008-10-15 8:37:58 |
| Version Read From GBOX V | Write To GBOX OK Cancel |

Add your mobile phone number, then the number will be allowed to control the G-BOX.Then click "Write to G-BOX".

| Edit GBOX Device | × |
|---|---|
| Login in Name: thinget | Name Phone Station |
| Psw: 03-08-10-06-00-01-00-00 | |
| Remote Login in Server IP: 61 .160 .67 .86 Port: 502 | |
| Server 2 Name: Thinget Slave Server | |
| Serial Port Baudrate: 19200 BPS V Databits: 8Bit Station Num: 1 | Comment Device Name: GBOX Defaulted |
| Batabits.opit Station Num: 1 Stopbits: 1Bit Refresh(ms): 1 Parity: Even Reg Name: M1000 | Comment: Defaulted GBOX, Need Edit, Create Date A of:2008-10-15 8:37:58 |
| Send Delay (ms): 255 | |
| Version Read From GBOX | Write To GBOX OK Cancel |

When all finished, click "OK", and cut the power, then give it again.(Only in this way, the information write to G-BOX will be useful).

3. Download program to PLC.

PLC, G-BOX, PC connect as below:

G-BOX serial port \rightarrow PLC port 1 PLC port 2 \rightarrow PC

Make sure the code switch of G-BOX is "1000".



Open the XCPPro, and test the PLC port.

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| Row 0,Col 0 OVR PLC1:XC3-60 Communication:Com,Station:1 |

Open the program:

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| Project PCI PCI Code Code Code Code Code Code Code Code | 0 M0 2RST S1 S5 S0 (S) ZRST M1 M5 10 M0 10 (R) Y0 (R) | |
| | Information | 4 × |
| | Error List Output | |
| PLC Config Password Serial Port BD CAN | | |
| Row 92,Col 10 Steps:277 OVR | PLC1:XC3-32 Communication:Com,Station:1 | |

Download into PLC:

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| Ins sIns Del sDel F5 F6 | -11+ -1++ -<>- <r>-<s>-{_}- \$F5 \$F6 F7 \$F8 \$F7 F8 F11 \$F11 \$F12 \$F12 \$F12 \$PD MM HON 1 + \$F5 \$F6 F7 \$F8 \$F7 F8 F11 \$F11 \$F12 \$F12 \$F12 \$PD MM HON 1 + \$F5 \$F6 F7 \$F8 \$F7 F8 F11 \$F12 \$F12 \$F12 \$PD MM HON 1 + \$F5 \$F6 F7 \$F8 \$F7 \$F8 \$F7 \$F8 \$F1 \$F1 \$F12 \$F12 \$F12 \$PD MM HON 1 + \$F5 \$F6 F7 \$F8 \$F7 \$F8 \$F7 \$F8 \$F1 \$F1 \$F1 \$F12 \$F12 \$F12 \$PD MM HON 1 + \$F5 \$F6 F7 \$F8 \$F7 \$F8 \$F7 \$F8 \$F1 \$F1 \$F1 \$F1 \$F1 \$F1 \$F1 \$F1 \$F1 \$F1</s></r> | Q |
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| | | * |
| Row 92,Col 10 Steps:277 OVR | PLC1:XC3-32 Communication:Com,Station:1 | Run "Scan Cycle:1ms 🔡 |

Then click "Run", the PLC will be controlled by G-BOX.

4. System test

Send the message: W M0 1 The PLC Y0 LED will be ON:



Then send the message: W M3 1 The PLC Y3 LED will be ON, Y0 will be OFF:

