

Super I/O Test Program V1.0.0.3 User Guide

Need Drivers

Super I/O Driver: V1.0.0.3

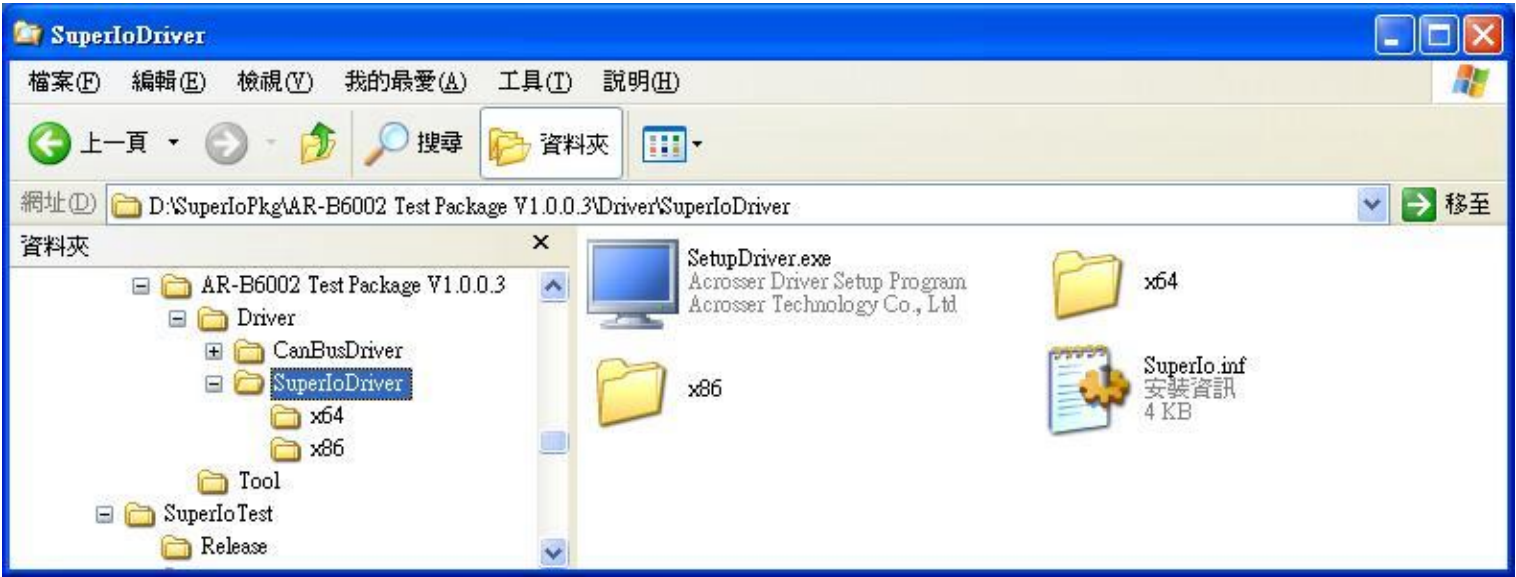
CAN Bus Driver: V1.0.0.3

Author: Golden Lee

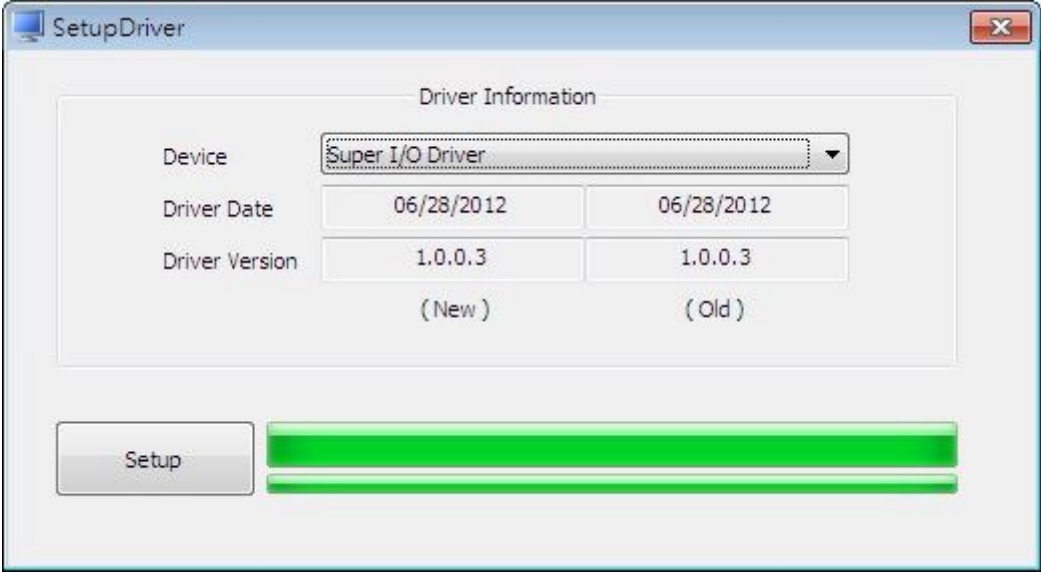
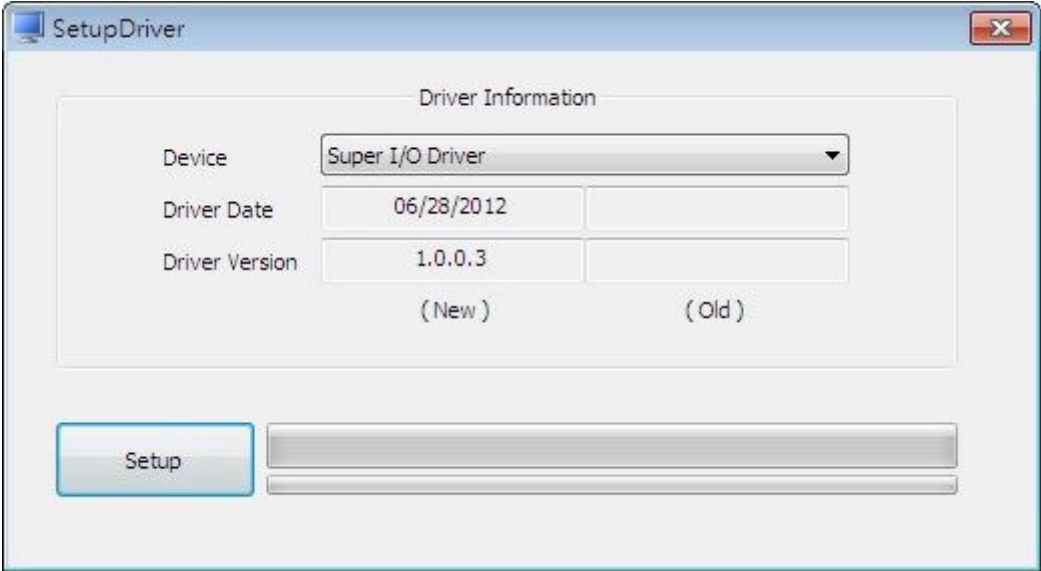
Date: 06/28/2012

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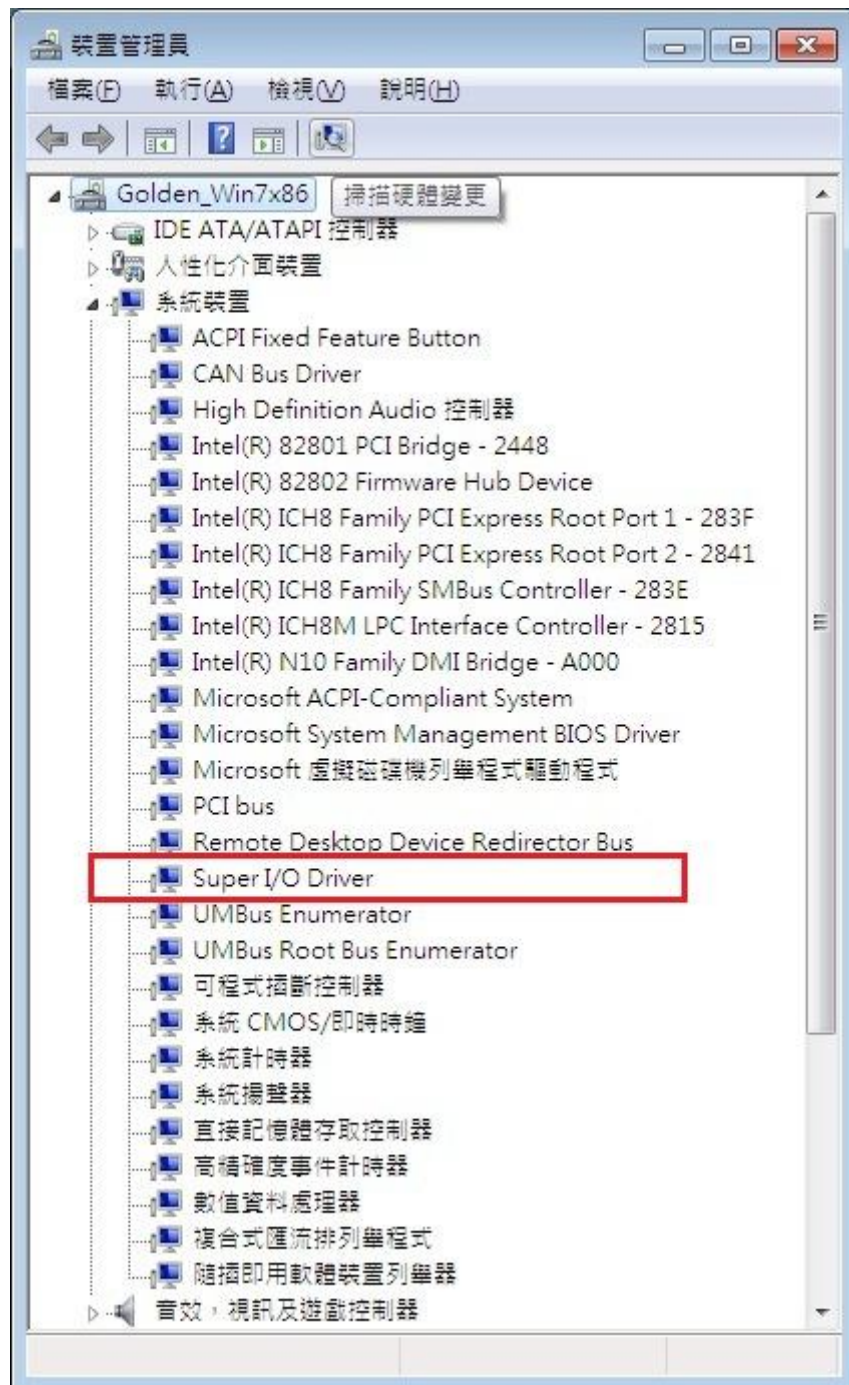
Install Super I/O Driver



Click the file SetupDriver.exe to install driver.



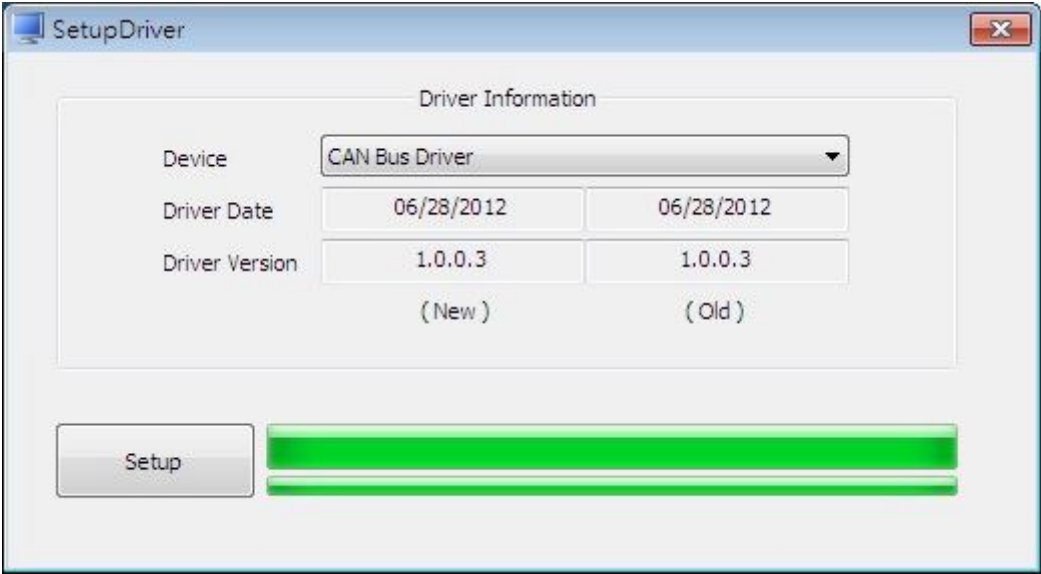
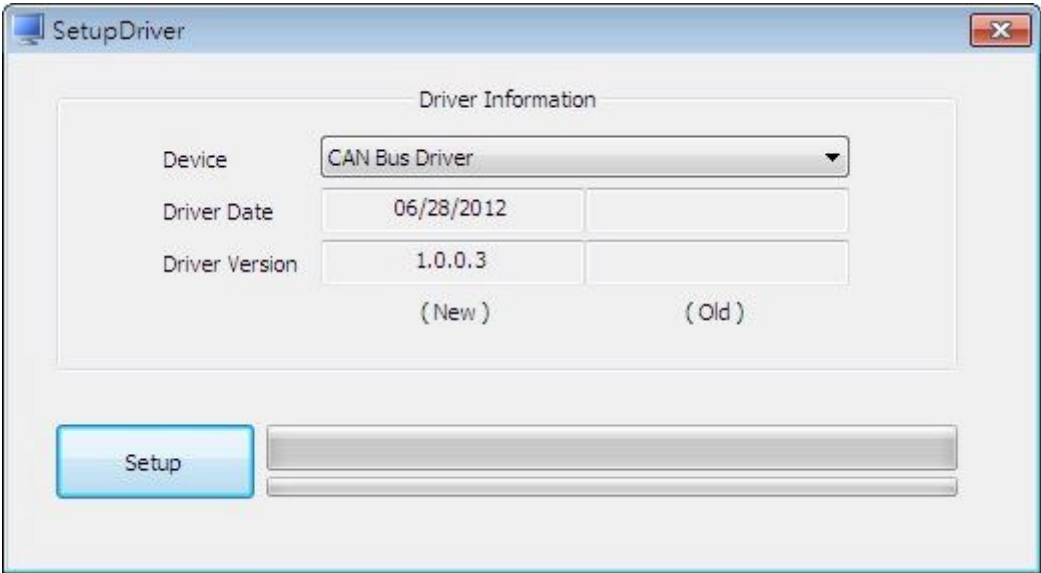
When Super I/O driver was installed finished, you can see a new device name ‘Super I/O driver’ in Device Manager



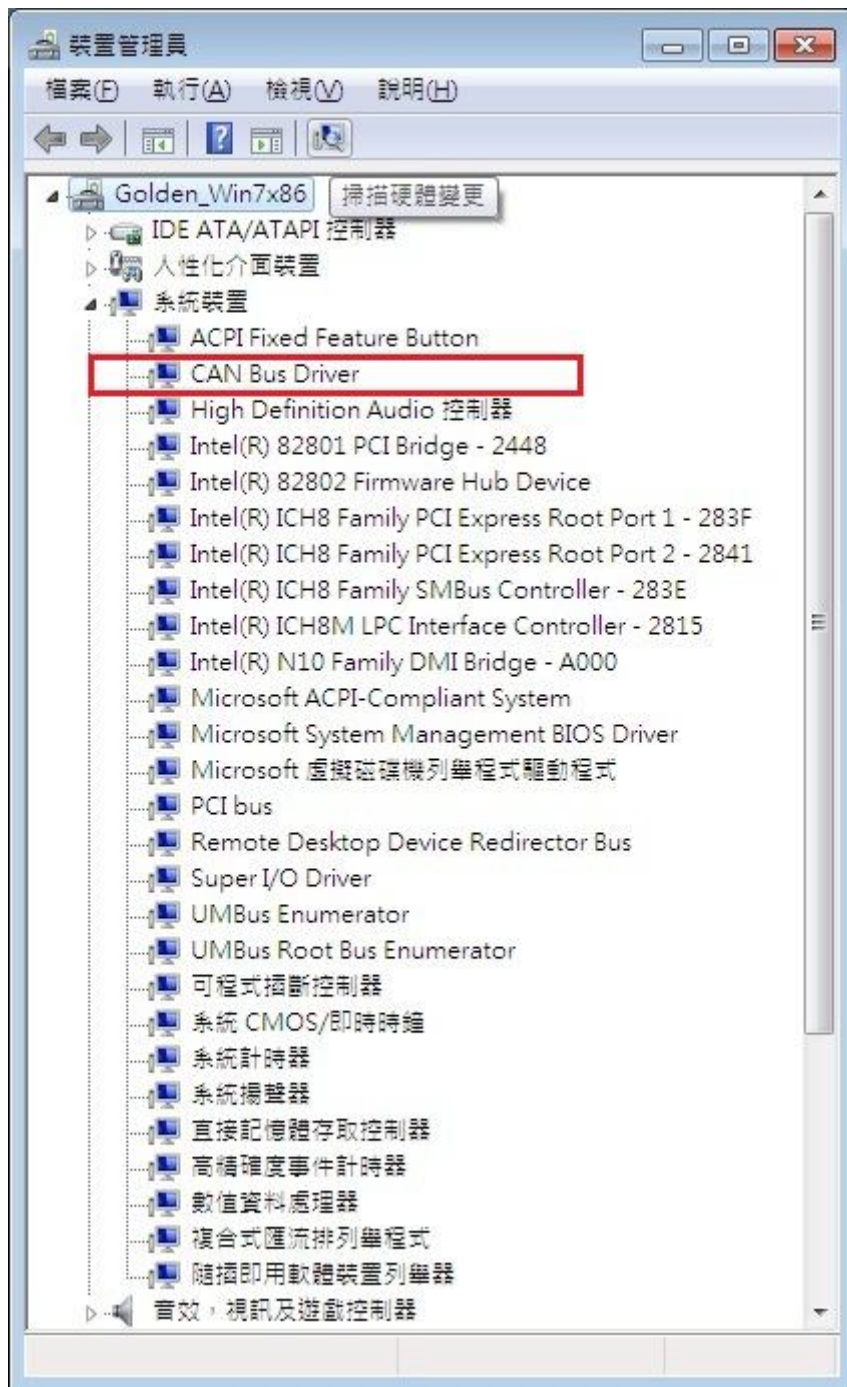
Install CAN Bus Driver



Click the file SetupDriver.exe to install driver.



When CAN Bus driver was installed finished, you can see a new device name 'CAN Bus driver' in Device Manager



Super I/O Test Program Operations

[Power / PIC]

There are five groups and one extra button in this window, see details as below.

SuperIoTest - [FleetPC-6 Mode 15 Setting]

File

GPIO

CAN Bus

Power / PIC

WatchDog Timer

Static Information

PIC Version 1.2

PIC Mode 15

Status Ready

Dynamic Information

Battery Voltage 11.7773

Ignition Status On

Soft Off Delay Time

5 5 Second

Set

Hard Off Delay Time

60 60 Second

Set

Power On Mode

Ignition Ignition

Set

Set Default

Ready NUM

Static Information Group:

There are two values in this group, PIC version and PIC mode; they are fetched once at startup.

Dynamic Information Group:

There are two values in this group, Battery Voltage and Ignition Status; they are fetched per 500ms.

Soft Off Delay Time Group:

Select time format (Second or Minute) in combo box control and type value in edit control, then click Set button to finish operation.

(Program gets delay time value per 500ms and shows it on gray edit control in same group.)

Hard Off Delay Time Group:

(Same as Soft Off Delay Time operation)

Power On Mode Group:

Select Ignition or Remote in combo box control, and click Set button to finish operation.

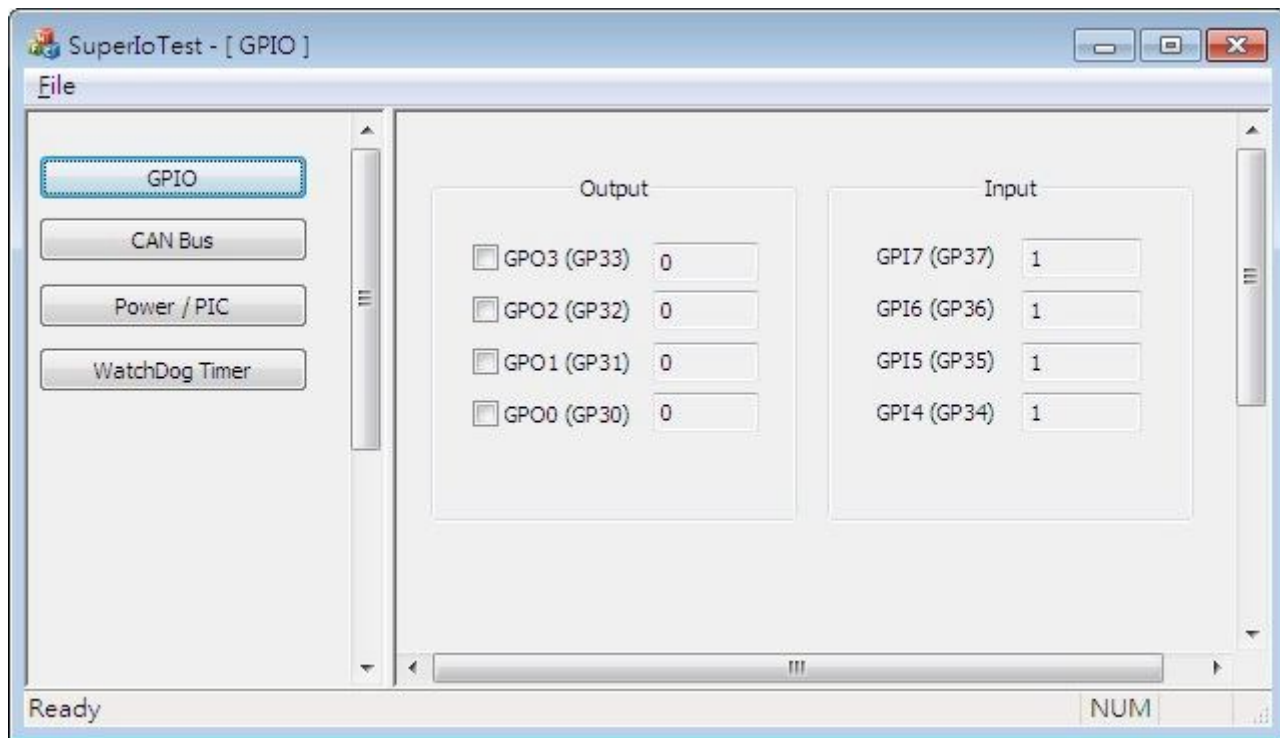
(Program gets power on mode value per 500ms and shows it on gray edit control in same group.)

Button 'Set Default':

Click this button to set default value for Power / PIC.

[GPIO]

There are two groups in this window, Input and Output.



Output Group:

Click one of four check box control to set output bit value, set check to high, un-check to low.

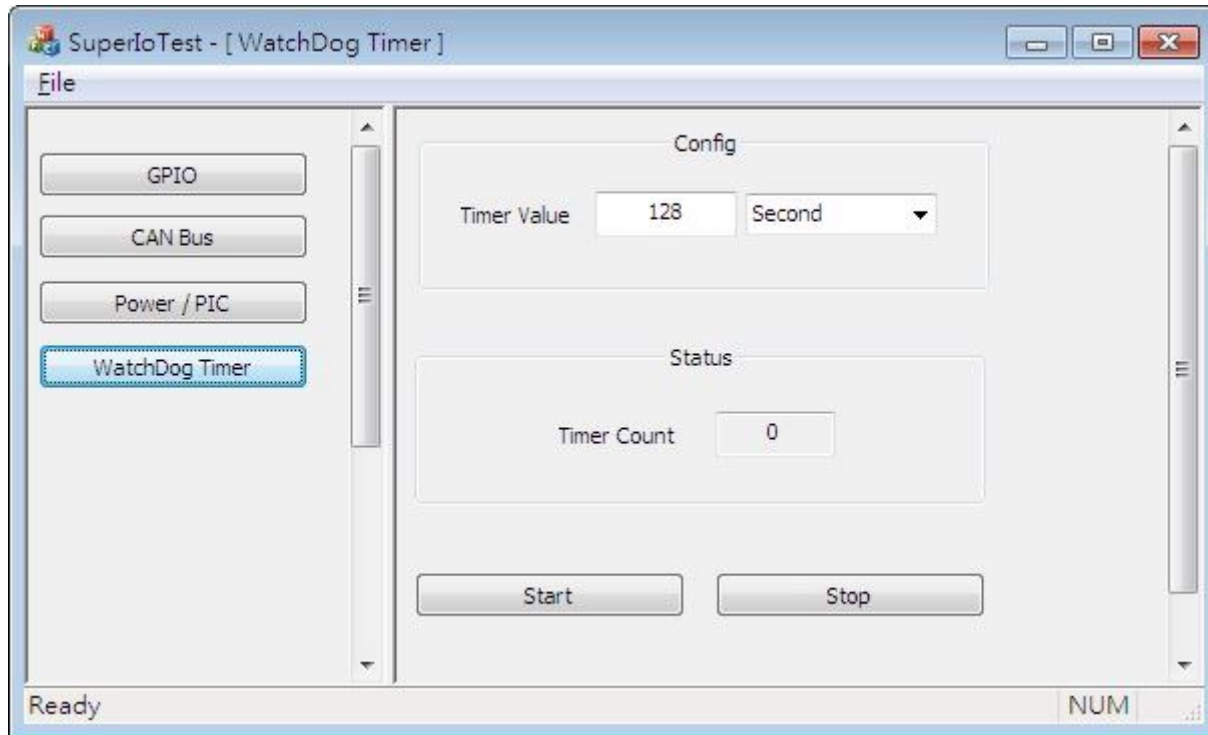
(Program gets output bit value per 500ms and shows it on gray edit control in same group.)

Input Group:

Program gets input bit value (GPI4 ~ GPI7) per 500ms and shows it on gray edit control in same group.

[Watch Dog Timer]

There are two groups and two extra buttons in this window.



Config Group:

Second Unit: Set timer value from 2 ~ 255.

Minute Unit: Set timer value from 1 ~ 255.

Operation:

Click 'Start' button to start Watch Dog Timer, the timer counter will be decreased per second (show in Status group), and reboot OS system will be happened while timer counter is decreased to zero.

Click 'Stop' button anytime to stop Watch Dog Timer, timer counter will be set to zero and Watch Dog Timer is disabled.

[CAN Bus]

There are three groups in this window, show as below

The screenshot shows the 'SuperIoTest - [CAN Bus]' application window. It has a menu bar with 'File' and a toolbar with icons for back, forward, and search. The main area is divided into three sections: 'Config', 'Send', and 'Receive'. The 'Config' section has a 'Status' button labeled 'Ready', a 'Baudrate' dropdown menu set to '1000K', and a 'Message ID Format' dropdown menu set to 'Decimal'. The 'Send' section has a 'Send Data (Hex)' input field with a dropdown menu showing '8', a 'Send Count' input field with '1' and '0' buttons, a 'Message ID' input field with '0', a '11 Bits' dropdown menu, and a checked 'Auto Increase' checkbox. There are 'Send', 'Stop', and 'Reset' buttons. The 'Receive' section has a table with columns 'No', 'Msg ID', 'D0', 'D1', 'D2', 'D3', 'D4', 'D5', 'D6', 'D7', and a 'Clear' button. At the bottom, there are 'Receive Items' and 'Display Items' input fields with '0' and '1000' respectively, and a 'Clear' button. The status bar at the bottom shows 'Ready' and 'NUM'.

No	Msg ID	D0	D1	D2	D3	D4	D5	D6	D7
----	--------	----	----	----	----	----	----	----	----

Config Group:

Status: If CAN Bus driver was installed successfully, it shows 'Ready', otherwise it shows 'Not Ready'.

Baudrate: Select 10K ~ 1000K in combo box control.

Message ID Format: Format of Message ID in Send group, Hex or Decimal. For example, Message ID is 123 and format is Hex, the value of Message ID is equal to 0x123, otherwise the value of Message ID is 123.

Send Group:

Send Data:

Data byte 0 ~ data byte 7, the typed value is force to hex format.

The side of ComboBox determines the count of data bytes.

Send Count:

Sending N times of same data bytes.

Message ID:

Represent the ID number of per send data bytes. You can set value format in 'Config' group, hex or decimal.

The side of ComboBox determines the length of Message ID.

AutoIncrease:

If this CheckBox is checked, the message ID will be plused one after sending a message.

Reset Button:

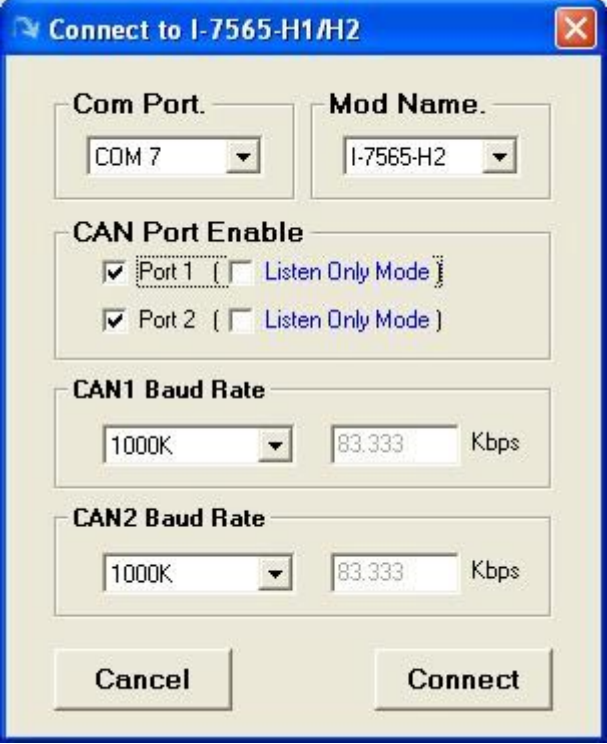
Set message ID to zero.

Receive Group:

Program gets incoming data per 10ms.

Operation: (Additional USB tool i-7565-H2 is required)

.Open i-7565-H2 utility and setup: Select COM 7, model I-7565-H2, Por2, then click Connect button.



Connect to I-7565-H1/H2

Com Port. Mod Name.

COM 7 I-7565-H2

CAN Port Enable

☒ Port 1 ☐ Listen Only Mode

☒ Port 2 ☐ Listen Only Mode

CAN1 Baud Rate

1000K 83.333 Kbps

CAN2 Baud Rate

1000K 83.333 Kbps

Cancel Connect

Send:

Setting your send data show as below

SuperIoTest - [CAN Bus]

File

GPIO

CAN Bus

Power / PIC

WatchDog Timer

Config

Status

Ready

Baudrate

1000K

Message ID Format

Decimal

Send

Send Data (Hex)

00

11

22

33

44

55

66

77

8

Send Count

1000

1000

Message ID

1000

11 Bits

☒ Auto Increase

Send

Stop

Reset

Receive

No	Msg ID	D0	D1	D2	D3	D4	D5	D6	D7
----	--------	----	----	----	----	----	----	----	----

Receive Items

0

Display Items

1000

Clear

Ready

NUM

i-7565-H2 will receive your sent data show as below

I-7565-H1/H2 Utility v1.10

FileConnectConfigurationHelp

Port 1Port 2

CAN2 SendMsg

HWSendCnt :

1000

AddMode :

n

AddVal :

1

1

SendMsg Configuration

ModeID (Hex)RTRDLCD1D2D3D4D5D6D7D8Timer (ms)

11-bit ID

000

No

8

00

00

00

00

00

00

00

0

No.	MODE	ID(hex)	RTR	DLC	D1	D2	D3	D4	D5	D6	D7	D8	Timer	Status
1														
2														
3														
4														
5														
6														
7														

AddModifyDeleteDel TableSendHWSendClr CntSendCnt

0

CAN2 RecvMsg

Scroll Mode

OverWrite Mode

Scrolling

No	MODE	ID(hex)	RTR	DLC	D1	D2	D3	D4	D5	D6	D7	D8	TimeStamp(sec)
988	0	3DB	0	8	00	11	22	33	44	55	66	77	753.2566
989	0	3DC	0	8	00	11	22	33	44	55	66	77	753.2722
990	0	3DD	0	8	00	11	22	33	44	55	66	77	753.2878
991	0	3DE	0	8	00	11	22	33	44	55	66	77	753.3034
992	0	3DF	0	8	00	11	22	33	44	55	66	77	753.3190
993	0	3E0	0	8	00	11	22	33	44	55	66	77	753.3346
994	0	3E1	0	8	00	11	22	33	44	55	66	77	753.3502
995	0	3E2	0	8	00	11	22	33	44	55	66	77	753.3658
996	0	3E3	0	8	00	11	22	33	44	55	66	77	753.3814
997	0	3E4	0	8	00	11	22	33	44	55	66	77	753.3970
998	0	3E5	0	8	00	11	22	33	44	55	66	77	753.4126
999	0	3E6	0	8	00	11	22	33	44	55	66	77	753.4282
1000	0	3E7	0	8	00	11	22	33	44	55	66	77	753.4438

Display Type

Hex

Dec

Sym

Start Record

Rx Pause

Clear

RecvCnt

1000

ModName : I-7565-H2 (COM 7)

Port Status : Enable

Baud Rate : 1000K

ICP DAS Co., LTD.

Receive:

Setting i-7565-H2 send data show as below, click Send button to send data

[illegible]

Test program will receive data from i-7565-H2 show as below

SuperIoTest - [CAN Bus]

File

GPIO

CAN Bus

Power / PIC

WatchDog Timer

Config

Status

Ready

Baudrate

1000K

Message ID Format

Hex

Send

Send Data (Hex)

00112233445566778

Send Count

10000

Message ID

011 Bits

☒ Auto Increase

Send

Stop

Reset

Receive

No	Msg ID	D0	D1	D2	D3	D4	D5	D6	D7
690	1000FFFF	01	02	03	04	05	06	07	08
691	1000FFFF	01	02	03	04	05	06	07	08
692	1000FFFF	01	02	03	04	05	06	07	08
693	1000FFFF	01	02	03	04	05	06	07	08
694	1000FFFF	01	02	03	04	05	06	07	08
695	1000FFFF	01	02	03	04	05	06	07	08
696	1000FFFF	01	02	03	04	05	06	07	08
697	1000FFFF	01	02	03	04	05	06	07	08
698	1000FFFF	01	02	03	04	05	06	07	08
699	1000FFFF	01	02	03	04	05	06	07	08
700	1000FFFF	01	02	03	04	05	06	07	08
701	1000FFFF	01	02	03	04	05	06	07	08
702	1000FFFF	01	02	03	04	05	06	07	08
703	1000FFFF	01	02	03	04	05	06	07	08
704	1000FFFF	01	02	03	04	05	06	07	08
705	1000FFFF	01	02	03	04	05	06	07	08
706	1000FFFF	01	02	03	04	05	06	07	08
707	1000FFFF	01	02	03	04	05	06	07	08

Receive Items

708

Display Items

1000

Clear

Ready

CAP NUM