



I/O CARD QUICK START GUIDE

for

TMC-10

Language
Version
Update

English
V1.0
Nov.2008

1

What's on your package?

- One TMC-10 series card
- One companion ISA CD (V2.1 or later)
- One Quick Start Guide(This document)

2

Installing Windows Driver

Follow those steps:

1. Setup the Windows driver. You can get the driver from:




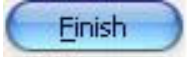
CD:\NAPDOS\ISA\TMC10\

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/tmc10/>

(The Windows NT driver have support the Windows 2K and windows XP/2003/Vista 32bit version.)



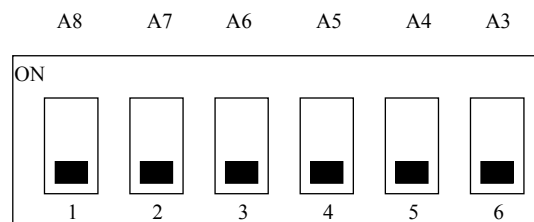
Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

2. Click  button to start installation.
3. Click  button to install driver into the default folder.
4. Click  button to continue installation.
5. Select “**NO, I will restart my computer later**” and then click  button.

3

I/O Base Address & Interrupt Setting

- The base address is set from SW1 DIP switch on board:

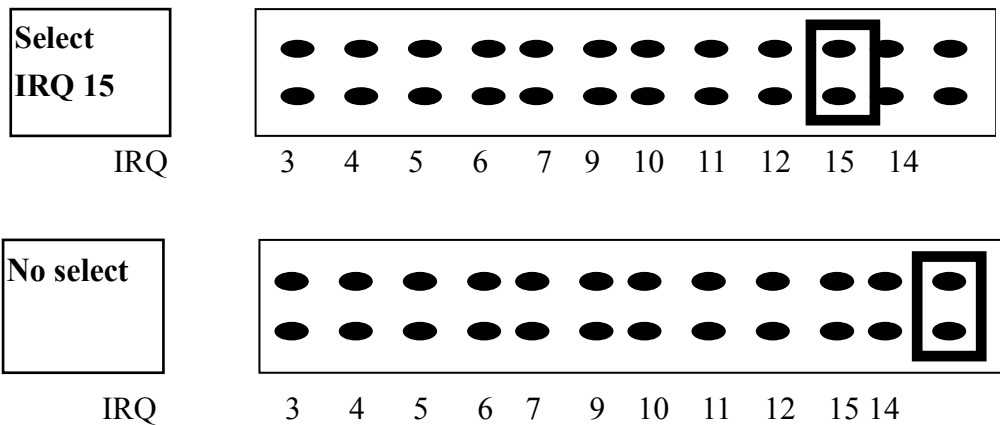


SW1 : BASE ADDRESS

BASE ADDR	A8	A7	A6	A5	A4	A3
<input checked="" type="checkbox"/> 200-207	OFF	OFF	OFF	OFF	OFF	OFF
208-20F	OFF	OFF	OFF	OFF	OFF	ON
210-217	OFF	OFF	OFF	OFF	ON	OFF
218-21F	OFF	OFF	OFF	OFF	ON	ON
220-227	OFF	OFF	OFF	ON	OFF	OFF
228-22F	OFF	OFF	OFF	ON	OFF	ON
230-237	OFF	OFF	OFF	ON	ON	OFF
238-23F	OFF	OFF	OFF	ON	ON	ON
:	:	:	:	:	:	:
:	:	:	:	:	:	:
3F0-3F7	ON	ON	ON	ON	ON	OFF
3F8-3FF	ON	ON	ON	ON	ON	ON

() : default base address is 0x220

➤ JP19: Interrupt Level Selection.



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Installing Hardware on PC

Follow those steps:

1. Shut down and power off your computer
2. Remove all covers from the computer
3. Select an empty ISA slot
4. Carefully insert your I/O card into the ISA slot
5. Replace the PC covers
6. Power on the computer

After powering-on the computer, continue next process.

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Pin Assignments

- CN1 is a 37 pin D-type connector.

Pin Number	Description	Pin Number	Description
1	PCB's GND	20	PCB's GND
2	EXT_CLK1 / DI0	21	EXT_GATE1 / DI4
3	COU1	22	EXT_GATE2 / DI5
4	EXT_CLK2 / DI1	23	COU2
5	EXT_CLK3 / DI2	24	EXT_GATE3 / DI6
6	COU3	25	EXT_GATE4 / DI7
7	EXT_CLK4 / DI3	26	COU4
8	EXT_CLK7 / DI8	27	EXT_GATE7 / DI12
9	COU7	28	EXT_GATE8 / DI13
10	EXT_CLK8 / DI9	29	COU8
11	EXT_CLK9 / DI10	30	EXT_GATE9 / DI14
12	COU9	31	EXT_GATE10 / DI15
13	EXT_CLK10 / DI11	32	COU10
14	COU6	33	COU12
15	DO0	34	DO1
16	DO2	35	DO3
17	DO4	36	DO5
18	DO6	37	DO7
19	PCB's +5V output	XXXXXXX	This pin not available

The detail pin assignments information. Please refer to :

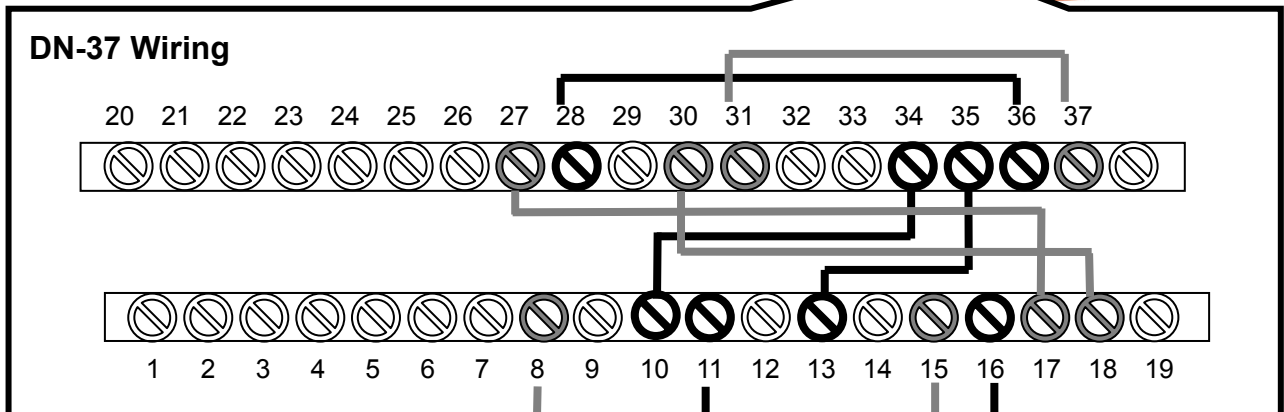
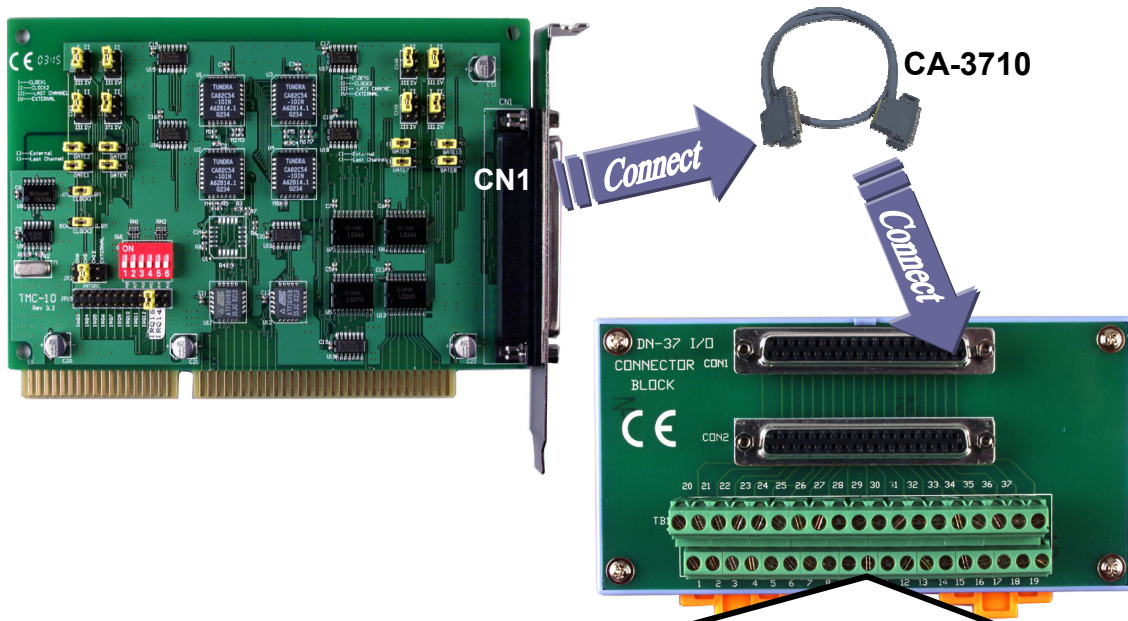
CD:\NAPDOSISA\TMC10\Manual\TMC10.pdf

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/tmc10/manual/tmc10.pdf>

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Self-Test

1. Use DN-37(Optional) to connect the board CN1.
2. DI8 connect to DO0 (Pin8 connect to Pin15)
DI9 connect to DO1 (Pin10 connect to Pin34)
DI10 connect to DO2 (Pin11 connect to Pin16)
DI11 connect to DO3 (Pin13 connect to Pin35)
DI12 connect to DO4 (Pin27 connect to Pin17)
DI13 connect to DO5 (Pin28 connect to Pin36)
DI14 connect to DO6 (Pin30 connect to Pin18)
DI15 connect to DO7 (Pin31 connect to Pin37)

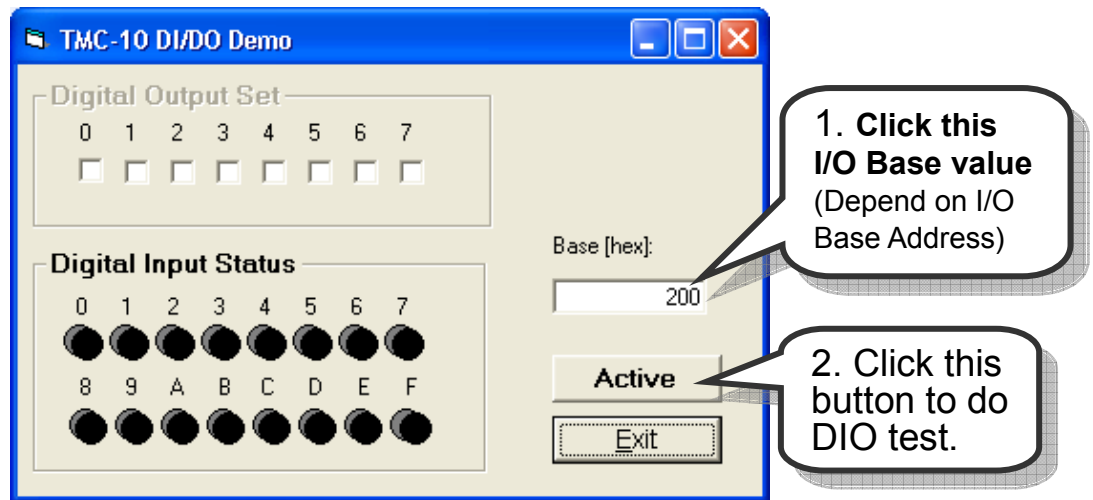


3. Run the TMC-10 sample program.

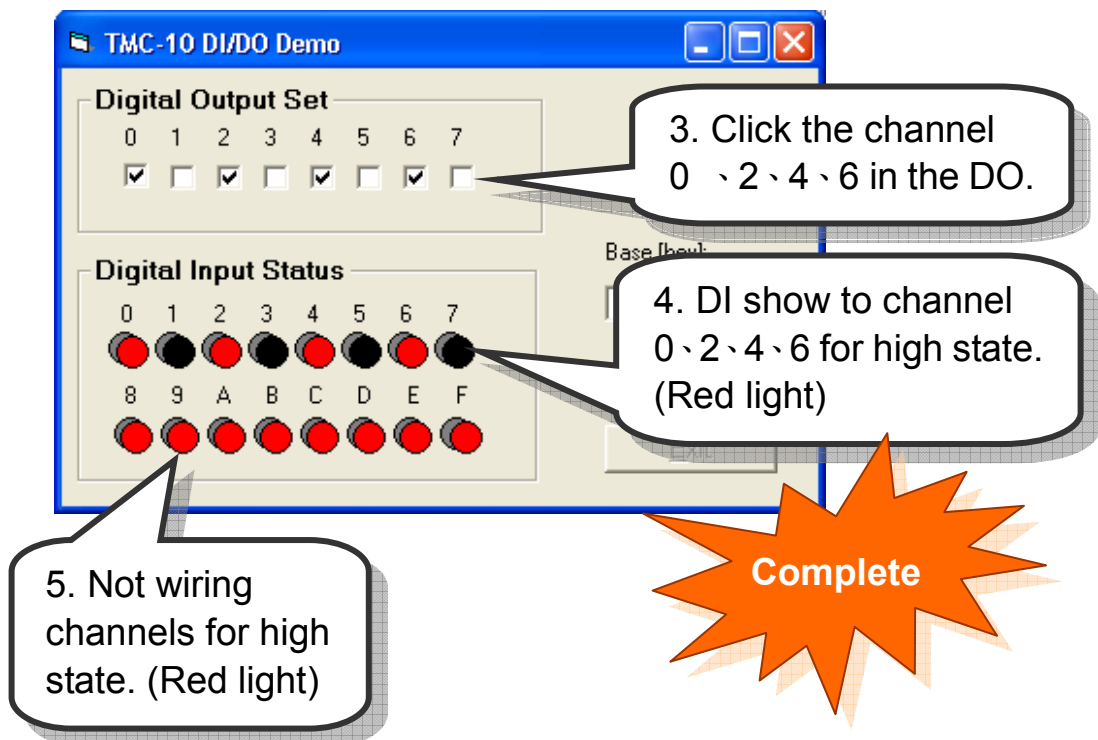
Get the file from(Default):

C:\DAQPro\TMC10 NT\Demo

4. Check number of the TMC-10, and test DIO function.



5. Get DIO function test result.



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Additional Information

✓ **TMC-10 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/tmc_10.htm

✓ **DN-37(Optional) page:**

http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm

✓ **Documents:**

CD:\NAPDOS\ISA\TMC10>manual

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/tmc10/manual/>

✓ **Software:**

CD:\NAPDOS\ISA\TMC10

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/tmc10/>

The ICP DAS Web Site

<http://www.icpdas.com>



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- FAQ
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