

### **Packing List**

In addition to this guide, the package includes the following items:



I-7540D-G / I-7540DM / I-7540D-UTA-G / I-7540DM-UTA \* 1



Wire Terminal \* 32

### **Technical Support**

service@icpdas.com www.icpdas.com



Plastic Rail \* 1 (including in I-7540D-G / I-7540D-UTA-G)



COM Cable (CA-0910) \* 1



Screw Driver \* 1

### Resources

How to search for drivers, manuals and spec information on ICP DAS website.

• For Mobile Web

	Q ), 🔊
Model Name	<u> </u>
Google	×   Q

• For Desktop Web



## **Hardware Installation**

Before using I-7540D / I-7540DM series devices, some things must be done.

Step 1: Prepare one I-7540D / I-7540DM series device

## Step 2: Determine if the CAN Bus terminal resistor is needed or not

Check the application structure, and determine if the terminal resistor is needed to be enabled or not. Before you continue, if you have changed the settings from default then it is necessary to open the cover of I-7540D and re-configure JP3 jumpers to enable it again, as shown in below figure. However if the I-7540D's still have their default settings then it is not necessary to open and reset them because the default configuration is enabled.



# Step 3: Connect the CAN port, ethernet and power line of the module

Connect the (R)Vs+ and (B)GND pins of the I-7540D module to the DC power supply (10~30VDC). And connect the Ethernet ports of the I-7540D and the PC with standard network cable respectively.

COM Connector Pin Assignment				
Pin	Name	Description		
1	CTS1	CTS pin of COM1 (RS-232)		
2	RTS1	RTS pin of COM1 (RS-232)		
3	RXD1	RXD pin of COM1 (RS-232)		
4	TXD1	TXD pin of COM1 (RS-232)		
5	INIT*	Initial pin for enable/disable		
		AUTOEXEC.BAT		
6	D2+	Data+ pin of COM2 (RS-485)		
7	D2-	Data- pin of COM2 (RS-485)		
		V+ of power supply		
8	VS+	(+10V to +30V DC		
		unregulated)		
9	GND	GND of power supply		

The pin assignment of the module are as follows.

CAN bus Connector Pin Assignment			
Pin	Signal	Description	
1	N/A	Not Connected	
2	CAN_L	CAN_L bus line (dominant low)	
3	N/A	Not Connected	
4	CAN_H	CAN_H bus line (dominant high)	
5	N/A	Not Connected	

## **Utility tool**

When users want to change the CAN/COM and Ethernet parameters of I-7540D, Utility tool may be needed.

Step 1: Install the I-7540D Utility tool

The software is located at: <u>https://www.icpdas.com/en/download/show.php?num=919&m</u> <u>odel=I-7540D-G</u>

Step 2: Setting up I-7540D module

The default network setting of the I-7540D is shown below.

IP: 192.168.255.1 Mask: 255.255.0.0 Gateway: 192.168.0.1

Before communicate with the I-7540D, you must change the PC's local area network same as the I-7540D. Then power on the module and execute the I-7532-FD Utility tool.

#### Step 3: Connect to I-7540D module

Click the "Connect" button to connect with the I-7540D module.

si-7540D Utility	×
	1
Connect Disconnect Exit About	
Settings Test	- Network Status
CAN Specification	Gateway : N/A Set
	Set
BTRO 00	
Acceptance 0	55.1 3.4 Set
Acceptance M Timeout 5000	ms Connect
TimeStamp Resp.	CAN Bus Pair Connection Status
Setting Defaults	CAN Bus Pair Connection Set
	© TCP C UDP © Server C Client
COM1: N/A Set	
COM2: N/A Set	Connect to N/A Set
Not Connected	
Not Connected	Copyright(c) 2005 ICP DAS Co., LTD.

#### Step 4: Configure the module parameters

After connecting with the I-7540D, you can modify the CAN parameters and network status of the module.

i-7540D Utility   File Actions   Help   image: the state of the state o	IP/Gateway/Mask/ Web ID/Password
CAN Parameters	
CAN Parameters CAN Specification 2.08 CAN Bus Baud rate 1000K • bits/sec BTR0 00 (Hex) BTR1 00 (Hex) Acceptance Code 00 00 00 00 (Hex) Acceptance Mask FF FF FF (Hex) Error Resp. No • TimeStamp Resp. No • COM Status COM Status COM1: 115200,8,N,1 Set COM2: 9600,8,N,1 Set Corriguration Mode v1.0.6[xx/xx/200	ork Status reway : 192.168.0.1 Set ask : 255.255.0.0 Set AC : 00:0d:e0:d0:a2:49 eb ID : 7540D Set Passwd : icpdas7540D Set Passwd : icpdas7540D Set Bus Pair Connection Status CAN Bus
RS-232/RS485	CAN Pair Status

Detail information about how to configure module parameters, please refer to section "3. Software Utility" of I-7540D user's manual.