

I-7540D(M)-MTCP Quick Start

Packing List

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



Technical Support

service@icpdas.com www.icpdas.com Resources

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

• For Mobile Web



1 Connect to PC, Internet, IED and Power

Step1. Connect PC and I-7540D(M)-MTCP with Ethernet switch. Step2. Connect CAN port of I-7540D(M)-MTCP to CAN device. Step3. Provide +10 ~ +30 VDc power to I-7540D(M)-MTCP.



I-7540D(M)-MTCP default IP information : IP: 192.168.255.1 Gateway: 192.168.0.1 Mask: 255.255.0.0

2 Download I-7540D-MTCP Utility

Utility download link: https://www.icpdas.com/en/download/show.php?num=926&mod el=I-7540D-MTCP-G

The utility file name is I7540D-MTCP_vx.xx.exe (vx.xx is version number). The utility execute file can be executed directly.

I7540D-MTCP_v2.03.exe

3 I7540D-MTCP Utility Connection

💯 I-7540D-MTCP utility v2.03	,			
File Action Help		🖳 Setting	_	
		U		
Connect Disconnect Exit About		IP 192.168.255.1		
Operation Mode	Network Status		Г	-
Operation mode 🗸 Set	Gatewa	Timeout 5000	ms	Connect
	Mask:			
CAN Parameters	MAC			

Click Connect icon to open connection dialog. Input IP address of I-7540D(M)-MTCP and then click "Connect" button to connect with I-7540D(M)-MTCP.

4 Configure I-7540D(M)-MTCP

Setting CAN Test Modbus	Modbus Test
Operation Mode Operation mode Modbus 1	ICP v Set
CAN Parameters	
CAN Specification	2.0B ~
CAN Bus Baudrate	1000K ~
BITO ⁰⁰ (Hex)	BIT1 (Hex)
Acceptance Code 00	00 00 00 (Hex)
Acceptance Mask FF	FF FF FF (Hex)
Error Resp.	No 🗸
TimeStamp Resp.	No 🗸
Setting	Default

After connect to I-7540D(M)-MTCP, please select to "Setting" page and set "CAN Specification" and "CAN Bus Baudrate" to suitable the CAN device that connected to I-7540D(M)-MTCP.

After then, click "Setting" button to save settings to I-7540D(M)-MTCP.

When the utility shows "Setting O.K.", Close the utility and reboot the I-7540D(M)-MTCP.

5 Communication Test

- Step1. Open utility and re-connect to I-7540D(M)-MTCP.
- Step2. Select "Modbus Test" page prepare to communicate test.
- Step3. Check the "Use Modbus TCP Command" item, select function code 4, then click "Send" button to send the Modbus read command

		se Mođbu	s TCP Con	nmand			🗌 Timer	(ms) 10	000			
12	00061	40007									Send	
-												
Tr	ransaction	x (Hex) identifier 2	Protocol :	identifier 0	Length	n Field 6	ID 01	Function (Code St	ex.) tartAddress 0000	WordCount 0007	ByteCount OE

Step4. If I-7540D(M)-MTCP had received CAN message, it will be show at "Receive" list box below the utility.



Step5. Select function code 16 and fill in CAN message that want be send. The I-7540D(M)-MTCP will send the CAN message after click "Send" button.

etting	CAN Test	Modbus	Modbus Test							
ICF	RTU									
	🗹 Us	e Mođbus	TCP Command			Timer	(ms) 1000		Sand	
0	1 10 00 00 0	0 07 0E 00	0 08 00 00 03 21 A	A BB CC DD	EE FF 00 9	9			Dend	L
	Transaction i	dentifier	Protocol identifie	r Lengt] 0	h Field 6	ID 01	Function Code	StartAddress	WordCount 0007	ByteCount 0E
	CAN Mes MODE	sage (H D (F	ex) Hex) RTR	DLC DI	D2 D)3 D4 I	D5 D6 D7	D8		

CANT	RecvMs	g		🛈 Sc	roll l	Mode	0	Over	Write	Mode			🔽 Scrolli	ng
No	MODE	ID(hex)	RTR	DLC	D1	D2	D3	D4	D5	D6	D7	D8	TimeStamp(sec)	
1	0	321	0	8	AA	BB	CC	DD	EE	FF	00	99	259.4742	
	CA	N dev	vice	rec	eiv	e n	nes	ssa	ge					