

Industrial 2G/3G module

I-8212W/I-8213W

I-8212W-3GWA/I-8213W-3GWA

Quick Start

Package Checklist

The package includes the following items:

- One 2G or 3G hardware module
- One Quick Start
- One companion CD
- One 2G/3G antenna

Related Documents and Software Utilities

Documents

- User manual: I-8212_13(3GWA)_user_manual
- CD: \napdos\GPRS_GSM_Modem\ I-8212W_I-8213W\Manual
- http://ftp.icpdas.com/pub/cd/usbcd/napdos/gprs_gsm_modem/ i-8212w_i-8213w/manual/

Pin Assignments



SIM card and Antenna Installation





> Install module on XP-8000

1. Install the module hardware on the XP-8000.

2. Rotate the Rotary Switch as "2". To disable EWF (ENHANCED WRITE FILTER).



3. Reboot your XP-8000

4. After reboot, execute the "Multi-Port IO module Register Wizard".

4.1 Open Multi-Port IO Module Register Wizard,

Start => ICPDAS => Multi-Port IO Module Register Wizard



4.2 Register the module and select "Exit"



4.3 Select "OK" and reboot.



4.4 After reboot, XP-8000 will install ports of the module.



5 After finishing, rotate the Rotary Switch as "0". To enable EWF.



I-8212/13W (3GWA) Quick Start

Uninstall module on XP-8000

1. Rotate the Rotary Switch as "2". To disable EWF.



2. Reboot your XP-8000

3. After reboot, ensure the module is installed on XP-8000 and execute the "Multi-Port IO module Register Wizard".3.1 Open Multi-Port IO Module Register

Wizard, Start => ICPDAS => Multi-Port IO Module Register Wizard

6		•	Accessories	>		
D	Documents	,	Microsoft SQL Server 2005	🕨 🎉 Multi-Port 10 Module Register Wizard		
	Settings		📆 Startup 🞢 Internet Explorer	Bartinger Mater Mm		
P	Seargh	,	Outlook Express			
0	Help and Support		 Remote Assistance Windows Media Player 			
	Bun		🍓 Windows Movie Maker			1
0	Shut Down					Recycle Bin
sta	art				R 2 .	🧐 6:00 AM

3.2 Remove the module and select "Exit"



3.3 Select "OK" and reboot.



3.4 After reboot, XP-8000 will install ports of the module.



4 After finishing, rotate the Rotary Switch as "0". To enable EWF.



Quick Test (Hyper Terminal)

Step1. Start \rightarrow All Programs \rightarrow Accessories \rightarrow Communications \rightarrow Hyper Terminal \rightarrow Input new connection name \rightarrow Click "OK" \rightarrow Select your PC serial port \rightarrow Click "OK"

🎨 TEST - HyperTerminal
File Edit View Call Transfer Help
D 🗳 🍘 🌋 📫 🎦 😭
F
Connect To
No. Test
Enter details for the phone number that you want to dial:
Country/region: United States (1)
Area code: 07
Phone number
Connect üsing: COM1
2. OK Cancel

Create a new modem connection on PC

Step1. Control Panel → Double-click
"Phone and Modem Options" → Modem
→ Click "Add"

Step2. Select "Standard Modem Types" \rightarrow Select "Standard 19200 bps Modem" \rightarrow Click "Next"

Step3. Select your COM Port to connect the modem \rightarrow Click "Next" \rightarrow Click "Finish"

Step2. Please refer to the following settings

Bits per second	115200
Data bits	8
Parity	None
Stop bits	1
Flow control	None

Step3. File \rightarrow Properties \rightarrow Settings \rightarrow Click "ASCII Setup..." \rightarrow Select "Echo typed character locally" \rightarrow OK

Step4. Input "AT" and press "Enter", then you will receive "AT OK"

Install New Moder Select the port(s)	n I you want to install the modern on.
	You have selected the following modem:
	Standard 19200 bps Modem
	On which ports do you want to install it?
	C All ports
	ociccust arts
	COM1
	2

Step4. Control Panel \rightarrow Double-click "Phone and Modem Options" \rightarrow Modem

- → Select "Standard 19200 bps Modem"
- → Click "Properties"

Step5. Control Panel \rightarrow Double-click "Phone and Modem Options" \rightarrow Modem \rightarrow Select "Standard 19200 bps Modem" \rightarrow Click "Properties" \rightarrow Modem \rightarrow

Maximum Port Speed \rightarrow 115200

tandard 19200 bps Modem Properties	? ×
General Modern Dignostics Advanced Driver	
Port: COM1	
Speaker volume	
Low High	
Y I	
Maximum Port Opeeu	
115200	
2.	
Dial Control	
Wait for dial tone before dialing	
	Const
UK	Lancel

Step6. Advanced \rightarrow Extra initialization commands:

Note: GPRS's APN must be provided from your Telecom. CO., LTD.

For example in Taiwan:

AT+CGDCONT=1,"IP","INTERNET"

For example in China:

AT+CGDCONT=1,"IP"," CMNET"

lization commands:	~	1.	
	~	2.	
	dem Diagnos s	dem Diagnodies Advanced	dem Diagnodics Advanced Differ

Step7. Diagnostics \rightarrow Query Modem \rightarrow Click "OK"

Note: If user queries modem that gets an Error, please try again.

General Motem Diagnostics Ad anced Driver	
Modem Information	
Hardware ID mdmgen192	
Command Response	
	-
\sim	2.
Query Mod	
Logging Append to Log View log	2
\sim	3.
OK	

Step8. Click "OK"



➤ Create a new dial-up on a PC Step1. Control Panel → Network Connections → Click "Create a new connection" → Click "Next" → Select "Connect to the Internet" → Click "Next"



Step3. Your GPRS's name \rightarrow Click "Next" \rightarrow Phone Number: \rightarrow Click "Next" Note: Phone Number must be provided from your Telecom. CO., LTD. For example in Taiwan: *99***1#

New Cor	nnection Wizard
Phon W	e Number to Dial /hat is your ISP's phone number?
Č	ype the choice name of the phone number: Phone number: You might need to include a thir or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.
	<u> </u>
	<pre></pre>

Step4. GPRS's User name and GPRS's Password \rightarrow Click "Next" \rightarrow Click "Finish"

Note: GPRS's User name and GPRS's

Password must be provided from your Telecom. CO., LTD.

d	Internet Account Information
	You will need an account name and password to sign in to your Internet account.
	Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)
	Password: Confirm password:
ncel	 Use this account name and password when anyone connects to the Internation this comption. Make this the default Internet connection
	✓ Turn on Internet Connection Firewall for this connection
	< Back Next > Cancel

Step2. Select "Connect using a dial-up modem" \rightarrow Click "Next"



Step5. Control Panel \rightarrow Network Connections \rightarrow Click "Your GPRS's name" \rightarrow File \rightarrow Properties \rightarrow General \rightarrow Select "Standard 19200 bps Modem" \rightarrow Click "Configure"



Step6.Maximum speed(bps) → Select "115200" → Don't select "Enable hardware flow control" → Click "OK"

Step7. Control Panel \rightarrow Network

Connections \rightarrow Double-Click "Your GPRS's name" \rightarrow Click "Dial"

Dial:	*99***1#		1
Dial	Cancel	Properties	Help

Step8. If you connect to internet successfully, your toolbar have new logo



Technical Support

 ICP DAS Service : <u>service@icpdas.com</u>
 I-8212W / I-8213W Website: <u>http://m2m.icpdas.com/i-8212w.html</u>

3. I-8212W-3GWA / I-8213W-3GWA Website: <u>http://m2m.icpdas.com/i-8212w-3GWA.html</u>