# 1.2 Setting GPRS/GSM Modem

1. Open "Control Panel " from [Start] menu, select [Phone and Modem Options]



2. Click [Modem] Tag then click "Add " to add a new modem device.





3. Click [Modem] Tag then click "Add " to add a new modem device.



4. Enable the checkbox let windows do not auto detect your modem device, then click "Next".





- 5. Set the Manufacturer in "Standard Modem Types", and model name is "Standard 33600bps Modem", then click "Next".
- ♦ When screen appear "Digital Signature Not Found", then select "Yes" button to continue the installation. (For Windows 2000 only)
- 6. Setting communication port in Com4 for GPRS/GSM use, then click "Next ".

Add Hardware Wizard Install New Modem Select the port(s) you	want to install the modem on.	Ø
	You have selected the following modem: Standard 33600 bps Modem On which ports do you want to install it? All ports Selected ports COM1 COM4 CDM8	_
	< Back Next >	Cancel

7. After step 5, it will back to "Phone and Modem options" setting page, Please select "Standard Modem...." and click "Properties" for further configuration.

General	Modem Diagno	stics Advanced Driver
	Standard 33600	bps Modem
	Device type:	Modems
	Manufacturer:	(Standard Modem Types)
	Location:	Unknown
This	ce status s device is working	properly.
This If yo star	ce status s device is working j ou are having proble t the troubleshooter.	properly.
This If you	ce status s device is working j ou are having proble the troubleshooter.	properly. ms with this device, click Troubleshoot to Troubleshoot
Device	ce status s device is working i pu are having proble the troubleshooter. e usage:	properly. ms with this device, click Troubleshoot to Troubleshoot



 In "Standard 33600 bps Modem properties "setting page, please see "Advanced " page, to check if Extra Settings are correctly, ex: AT+CGDCONT=1,"IP","EMOME"

Annotation: EMOME is you GPRS service provider. If there has any confused, please contact with your GPRS service provider.

Standard 33600 bps Modem Properties	?×
General Modem Diagnostics Advanced Driver	
Extra Settings	
Extra initialization commands:	
at+cgdcont=1,"ip","internet"	
Charges Dafes III Defension	
Change Default Preferences	
	ancel

### 1.3 GSM Modem

**NOTE**: To take advantage of the wireless modem feature, the PCI-952 driver supplied with your computer must be installed (see the chapter 6 of the Operator's manual ).

Your computer can send and receive data via a mobile network using the GSM protocol.

To send or receive data over a GSM network, you must have an account with a service provider that supports GSM data services, and the service provider must enable the data features on your account.

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### 1.3.1 Connecting GSM Modem

Before you can use the GSM modem connection, make sure that you have a subscription to the Circuit-Switched Data (CSD) network with your service provider and you have an account with your service provider or corporate network you are connecting to. To connect to an ISP or dial in to a specific computer, you must configure a connection for that service on your computer.

#### 1.3.2 Setting GSM Modem

1. Select path:Start\Accessories\Communications\HyperTerminal



2. When Connection Description screen appear, then you key-in "your Name".

<b>Connection Description</b>	· ? 🔀
New Connection	
Enter a name and choose ar	n icon for the connection:
test	
<u>I</u> con:	, ,
🌯 🍣 🔕	🇠 👸 🧶
	>

3. Select Connect port is "COM 4".

Connect To	? 🔀
🇞 test	
Enter details for	the phone number that you want to dial:
<u>C</u> ountry/region:	Taiwan (886)
Ar <u>e</u> a code:	03
<u>P</u> hone number:	
Co <u>n</u> nect using:	СОМ4
	OK Cancel



4. When COM4 properties screen appear, then you select "None" and click "OK" button.

COM4 Properties	? 🛛
Port Settings	
<u>B</u> its per second:	2400
Data bita	
Data bits.	8
Parity:	None
Stop bits:	1
Elow control:	None 💌
	Bestore Defaults
	K Cancel <u>A</u> pply

5. When Hyper Terminal screen appear, then you key-in your command. For example:





## 1.4 GPRS Modem

Your computer can receive General Packet Radio Services (GPRS), a high-speed data-only service that transmits data over a mobile telephone network. In addition, GPRS provides permanent on-line connection. To use GPRS, you must have a subscription to the function with a service provider that supports GPRS.

#### 1.4.1 Connecting GPRS Modem

To connect to a GPRS network, you must configure a connection for that service on your computer.

- 1.4.2 Setting Internet connection options for Windows 2000/Windows XP.
- To configure "Internet options " for Internet connection via GPRS. Open "Internet Properties" from "Control Panel ". Open "Connection " page then click " Add " to add a new connection. Click " Next " to next step.



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	To set up	an Intern	net connec	tion, click	Setup
Dial-u	p and Virtu	al Private	Network :	ettings	
					Add
					Remove
Choo:	se Settings	; if you ne	ed to conf	igure a proxy	Settings
	al whenev ways dial r	er a netwo ny default	n ork.connec connectio	ction is not pres	ent
Curre	nt	None			Set Default
Local	Area Netv	vork (LAN)	settings		
LAN S	iettings do se Settings	not apply above fo	to dial-up r dial-up s	connections. ettings.	LAN Settings

New Connection Wizard
Type of Connection         Select the type of the connection.
Oial-up to private network. Connect using my phone line (modem or ISDN).
Connect to a private network through the Internet. Create a Virtual Private Network (VPN) connection or tunnel through the internet.
Connect directly to another computer. Connect using my serial, parallel, or infrared port.
Connect to the network via broadband Connect through my broadband connection.
< Back Next > Cancel



3. In Phone number setting, type example: \*99# (Detail information please contact, then click "Next" to next step.



4. Type a name you want for this connection, after that, click "Finish" to save it in the Network Connection folder.





- 5. After step4, it will pop-up " Dial-up Connection Settings " automatically.
  - I. Please free to key in any words in "User Name" and p" Password "
  - II. Click "Properties" to configure "Dial-up Connection Properties "

comatic configuratio	on may override manual settings. To ensure the
or manual settings	s, disable automatic configuration.
Use automatic conf	iouration script
Address	
I TANK SANA L	K
y server	
Jse a proxy server	r for this connection (These settings will not
apply to other conr	nections).
apply to other conr Address:	Port: Advanced
Address:	Port: Advanced
apply to other conr Address: Bypass proxy s -up settings	Port: Advanced
apply to other conr Address; Bypass proxy s -up settings r name:	Port: Advanced Port: Advanced Properties
apply to other conr Address: Bypass proxy s I-up settings er name: isword:	Port: Advanced Properties Advanced
apply to other conr Address: Bypass proxy s -up settings ar name: isword: nain:	Port: Advanced Properties Advanced

III. In "Dial-up Connection Properties " page, click "Configure", (For Windows 2000, then Windows XP select "Settings") make sure all of Hardware features were disabled.

Modem Configuration	? 🛛
Standard 33600 I	ops Modem (COM4)
Maximum speed (bps):	115200
Modem protocol	~
Hardware features	
Enable hardware flow	v control
Enable modem error of	control
Enable modem comp	ression
Show terminal window	
Enable modem speaker	
	OK Cancel

In "Dial-up Connection Properties ", please select " Networking " option setting, then make sure your Dial-up server type is 【PPP: Win95/98/NT....】 Click the "Setting " button to enter detail configuration setting. Make sure the " Software compression" feature has been disabled.

🖕 Dial-up Connection Properties 🛛 😨 🔀
General Options Security Networking Advanced
Type of dial-up server I am calling:
PPP: Windows 95/98/NT4/2000, Internet 🗸 🗸
Settings
This connection uses the following items:
Internet Protocol (TCP/IP)
Eile and Printer Sharing for Microsoft Networks
Client for Microsoft Networks
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default
wide area network protocol that provides communication across diverse interconnected networks.
<u></u>



PPP Settings	? 🗙
<ul> <li>Enable LCP extensions</li> <li>Enable software compression</li> <li>Negotiate multi-link for single link connections</li> </ul>	
ОКС	ancel

7. In "Dial-up Connection Properties page, select "Internet Protocol [TCP/IP]", then click "Properties", "Advanced" button. To disabled PPP Link feature in **General** setting.

Advanced TCP/IP Settings
General DNS WINS
This checkbox only applies when you are connected to a local network and a dial-up network simultaneously. When checked, data that cannot be sent on the local network is forwarded to the dial-up network.
Use default gateway on remote network
PPP link
Use IP header compression
OK Cancel

