

Quectel Cellular Engine

GSM FAX Setup User Guide

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0. Revision history

Revision Date Author		Author	Description of change
1.00	2009-12-31	Jean HU	Initial

1. Introduction

The PC application WinFax Pro can be used to send and receive a fax with the module provided by Quectel. This document describes how to setup WinFax Pro. For the other questions about WinFax Pro, please refer to WinFax Pro user manual.

The screen snapshots about the installation steps and usage of WinFax are based on WinFax10.0 in this document. The details of configurations and settings for other applications may slightly differ, but the general proceeding is similar.



2. Preparation

It is necessary to finish the following work before send or receive a fax.

- Connect the module to PC and enter the PIN code if SIM card PIN is locked.
- Make sure the SIM card supports fax service.
- Make sure the WinFax Pro has been installed successfully.

3. Modem installation and WinFax configuration

Double click the "*Controller.exe*" file to start WinFax10.0. The main interface is shown in Figure 1.



Figure 1: Start WinFax10.0

The following lists the detailed steps to install the modem and configure WinFax.

Step1: Choose "*Tools*" -> "*Program Setup*" in the main menu.

Step2: Choose "*Modems and Communications Devices*" option and then click "*Properties...*" button as shown in Figure 2. And then a dialog box will appear as Figure 3.

🗞 VinFax PRO Program Setup	?	×
Options		
😤 Backup and Restore	Sager and SMS Text Messaging	
Scall Status and Controller	Printer Driver	
Calling Cards	Receive	
Cultures	Send	
Whishing and Location	🚰 User	
Thail and Outlook Integration		
Parax Sharing Host		
Massage Management		
Modems and Communications Devices		
Notification and Forwarding		
J		
Allows you to set up and activ devices for a specified locat	vate modems and other communications ion.	
	<u>Froperties</u> <u>H</u> elp	
	关闭	

Figure 2: WinFax Pro Program setup

Modems and Communications Devices Properties 🛛 🛛 🔀
General
Select and set up the modems and other communications devices you want to use.
Define "Active" devices for location: Default
Possible devices:
Connection Device Port Active Standard 19200 bps Modem COM1
ISUN Device (LAPI 2.0) <not contigured=""> Image: Sub Device (LAPI 2.0) <not configured=""> Image: Sub Device (LAPI 2.0) Image: Sub Device (LAPI 2.0)<</not></not></not></not></not></not>
Add Remove Properties
Test Com Ports
Receive and dialing settings
To configure how a device answers the phone, click Receive Setup
To configure how a device dials when sending faxes, click Dialing Setup
OK Cancel Apply

Figure 3: Modems and Communications Devices Properties

Step3: Click the "*Add...*" button to add a new modem if there is no modem ready. The detailed steps will be introduced in Chapter3.1.

Step4: Choose the "*Standard 19200 bps modem*" item and then click "*Properties...*" button in the dialog box to configure the modem. The detailed steps will be introduced in Chapter 3.2.

3.1. Modem installation

After click the "*Add...*" button in Figure 3, the dialog box "*Install New Device Type*" will be shown as Figure 4. And then please install a modem as the following steps.

Step1: Choose "Regular modem" and click "Next>" to install modem.



Figure 4: Install New Device Type

Step2: Click the "Add..." button in the dialog box "Phone and Modem Options", and then choose "Don't detect my modem; I will select it from a list." and click "<u>Next></u>" in the dialog box "Add Hardware Wizard". Please refer to Figure 5.



Figure 5: Add Hardware Wizard Pic1

Step3: Choose "Standard 19200 bps Modem" and click "Next>" as shown in Figure 6.



Figure 6: Add Hardware Wizard Pic2

Step4: Select communication port and click "<u>Next></u>" to the next steps.

Add Hardware Wizard	
Install New Modem Select the port(s) you v	want to install the modem on.
	You have selected the following modem: Standard 19200 bps Modem On which ports do you want to install it? All ports Selected ports COM3
	< Back Next > Cancel

Figure 7: Add Hardware Wizard Pic3

Step5: Click the "*Next>*" button to test as shown in Figure 8. And the result will be shown as Figure 9.





Step6: Click "<u>Next></u>" to continue as shown in Figure 9.

M	lodem Configuration 1	Wizard - To Please wait This should	e <mark>sting Mod</mark> while Setup ta take less thar	em ests and verifies y a minute.	your modem.
	Checking: Status: Results:	Standard 19200 bps Modem Completed This modem supports Fax, Data This is a Class 1, Class 2, Class 2.0 fax modem. Max fax transmit speed: 9600 bps. Max fax receive speed: 9600 bps.		ata ass 2.0 fax 0 bps. 0 bps.	
	SYMANTEC.		< <u>B</u> ack	<u>N</u> ext >	Cancel

Figure 9: Modem Configuration Wizard- Testing Modem

Step6: Choose "*CLASS 1* (*Software Flow Control*)" or "*CLASS 2 Send/Receive Fax/modem*" and then click the "*Next>*" button as shown in Figure 10.



Figure 10: Modem Configuration Wizard

3.2. WinFax configuration

After choosing "*Standard 19200 bps modem*" item and click "*Properties...*" in the dialog box as Figure 3, it will pop a dialog box as shown in Figure 11. And then please configure WinFax as following steps.

Step1: Choose "General" tab and set the port parameters "COM1", "19200" and modem type "Class 1" (using Class 1 as example) as Figure 11.

Properties for: Standard 19200 bps Modem 🛛 🛛 🔀
General Fax
Set general options for your modem.
Communications port
COM1 nitialize at: 19200 bps
Volume
Off High
Cn until connected
Modem type
Class 1
OK Cancel Apply

Figure 11: Properties for Standard 19200 bps modem Pic1

Step2: Choose "FAX" tab and set the parameters as shown in Figure 12.

Properties for: Standard 19200 bps Modem 🛛 ? 🔀			
General Fax			
Set faxing options for your modem.			
My modem is connected to a Regular o	r Cellular (PCS/GSM-Digital) 💌 telephone,		
so use these settings when faxing: Transmission speed	Initialization string sequence		
Maximum: As fast as possible 💌	1. AT&F&C1&D2S7=55		
Minimum: Send at any rate	2. AT+CSNS=2		
0-5-	4.		
ECM for sending	Flow control:		
ECM for receiving	Use hardware flow control		
✓ High speed compression (2D)	Reset: ATZ		
(* Tright speed compression (2D)	Default		
	OK Cancel Apply		

Figure 12: Properties for Standard 19200 bps modem Pic2

4. Send new fax

Step1: Please choose "*Send*"->"*Send New Fax*" in the main menu, and then a dialog box will appear as shown in the Figure 13.

🍩 WinFax I	PRO Send				
File Edit Vie	ew Insert Recipient Options Help				
ESend 🔯]Preview 🖃 Email 🙀 🦠 👻 🔀				
To:	Quectel		Name / 1	Company / 2	<u>_</u>
Number:	02164058005		kongkong	quectel	
Company:	Quectel Wireless	包			
	🚰 Add to List 🔂 Schedule 🗙 🙉				
Recipients:		ঠ্য			
		6991			
					*
Subject:	This is a FAX test				•
Quick Cover	Page 💌 💌 🗷 🖳	層/	unnotate 🕼 👯	4	
E MAR AN	FACSIMILE COVER PAGE	1197055			
521	To : Quectel		From :	kongkong	
	Sent : 9/18/2009 at 6:00:08 PM Subject : This is a FAX test		Pages :	1 (including cover)	
Cover Pa	This is a FAX test This is a FAX test This is a FAX test This is a FAX test				
<u>.</u>	E Cover Page				•
Ready.					1 Pages

Figure 13: New Fax

Step2: After inputting the relative data, click "*Send*" to start the transmission. Figure 14 shows that the fax is being sent.

📀 Symantec Mes	sage Manager Line Status
Connection Device	Status b Send fax to Quectel, Connecting
Device: Operation: Name: Number: Speed:	Standard 19200 bps Modem #2 Connecting Quectel 02164058005 0
No Details	Cancel

Figure 14: Sending Fax





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