Quick Start Guide

Wi-Fi TO RS-232/422/485

CONVERTER

MODEL ATC-2000WF

(Version 2.0)

1. Check Package Content

■ATC-2000WF unit 1Pcs

■RS-232 DB9 Female Crossing configuration cable 1Pcs

■monopole Antenna (2dBi RP-SMA) 1Pcs

■Software CD 1Pcs

■Ext power adapter 1Pcs

■Printed version of this ATC-2000WF Quick Start Guide 1Pcs

2.Hardware Installation

■Connect RS-232 DB9 Female Crossing configuration cable to ATC-2000WF unit on RS-232 side.

■Connecting the Power Adapter to ATC-2000WF power jack. When the power is properly supplied. The Link LED will contious to flash and PWR LED will light in red when system is ready.

RS-232/422/485 Pinouts

RS-232 Pinout(DB9 Female)

PIN	RS-232	Input/Output
2	RXD	I
3	TXD	O
5	GND	-
7	RTS	O
8	CTS	I

RS-422/485 Pinout(SIX Terminal from Left)

PIN	RS-422	RS-485
1	T+	485+
2	T-	485-
3	R+	NC
4	R-	NC
5	VIN+	VIN+
6	VIN-	VIN+

3. LED indication

LINK ---- Indicate WLAN status

DIS ---- Indicate WLAN status

ACT ---- It will flash when transmit the data from WLAN to serial or from serial to WLAN.

PWR ---- Indicate the Power supply

Detail for LINK,DIS Led indicate

LINK	DIS	Status
ON solid	Not Associated	Connected over TCP
Fast Blink	-	No IP Address(enter Command mode)
Slow Blink	Associated, No Internet	IP Address OK

4.Software Installation

■Insert the software CD and search for such as F:/Tool/ pcommlite folder to run Settup.exe.Note: Be sure you have administrative rights &disable firewalls in windows XP

5. Configure the ATC-2000WF

■Serial Console (9600, n, 8, 1)

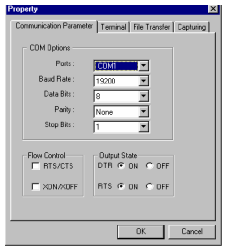
Before configuring the ATC-2000WF via the serial console, turn off the power and use a serial cable to connect the ATC-2000WF to your computer's serial port. We suggest using PComm Terminal Emulator, which is available in CD driver to carry out the configuration procedure. Firstly install PComm Terminal Emulator on your computer.

■Connect ATC-2000WF RS-232 serial port directly to your computer's male RS-232 serial Port with RS-232 DB9 Female Cross Configuration cable

■ From the Windows desktop, click on **Start # Programs # PComm Lite # Terminal Emulator**.

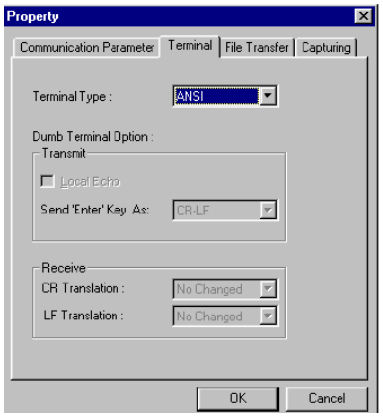
■ When the **PComm Terminal Emulator** window opens, first click on the **Port Manager** menu item and select **Open**, or click on the **Open** icon.

■The **Property** window opens automatically. From the **Communication Parameter** page, select the appropriate COM port for the connection, **COM1** in this example, and 9600 for **Baud Rate**, **8** for **Data Bits**, **None** for **Parity**, and **1** for **Stop Bits**.



■ From the **Property** window.s **Terminal** page, select **ANSI** or **VT100** for **Terminal Type**, and click on **OK**. If you select

Dumb Terminal as the terminal type, some of the console functions—especially the .Monitor. function—may not work properly.



■Upon power up, the device will be in data mode. To enter command mode, exactly the three characters **$$$** must be sent. The device will respond with **CMD**.

While in command mode, the device will accept ASCII bytes as command. To exit command mode, send **exit<cr>.** The device will respond with "EXIT" to data mode.

Parameters, such as the SSID, channel, IP address, Serial Port settings, and all other settings can be viewed and configured in command mode. ASCII characters can be sent through a terminal emulator connected to the UART or via Telnet. When using the UART communications settings should match the settings used when ATC-2000WF connects. for example: the default is 9600 baud rate, 8 bits, No Parity, 1 stop bit, and hardware flow control disabled.

■Start by configuring the IP address and WLAN under MS-DOS Command Mode. section for instructions on how to configure the rest of the IP settings.

■Choosing the Proper Operation Mode

6. Factory Default WLAN &IP Address

Default Configuration Settings

COMM Parameters

Close string: *OPEN*

Open string: *CLOS*

Remote string: *HELLO*

Flush Size : 16

Match Byte : 0

Flush Timer: 2

Idle Timer : 0

IP Parameters

DHCP: 1(enabled)

Protocol: TCP-Server

Address: 0.0.0.0

Local port: 2000

Net Mask: 255.255.255.0

Gateway: 0.0.0.0

Host: 0.0.0.0

Remote port: 2000

Ftp 208.109.78.34 (roving default update server)
(port fixed at 21)

System Parameters

Sleep timer: 0

Wake timer: 0

Trigger: 1(SENS0 pin wakes up the device)

Auto connect: 0

IO Mask: 0xFC (3,4,5,6,7,8 outputs).

Print Level: 1 (prints enabled)

Time Server Parameters

Enable: 0= disabled

Address: 158.152.1.76

Port: 37 (NIST TIME protocol)

Zone: 7 (Pacific USA time)

UART Parameters

Baud rate: 9600

Parity: n (none)

Flow : 0=disabled

WLAN Parameters

Channel: 0 Mode: infrastructure

SSID: roving1: Rate: 1 (1= 1Mbit)

7. Summary of Commands – Listed by Functional

Category

(These commands are explained in detail with more detailed functioning examples further in this document.)