



PC-W Ethernet-to-Wireless Client Adapter

Quick Start Guide

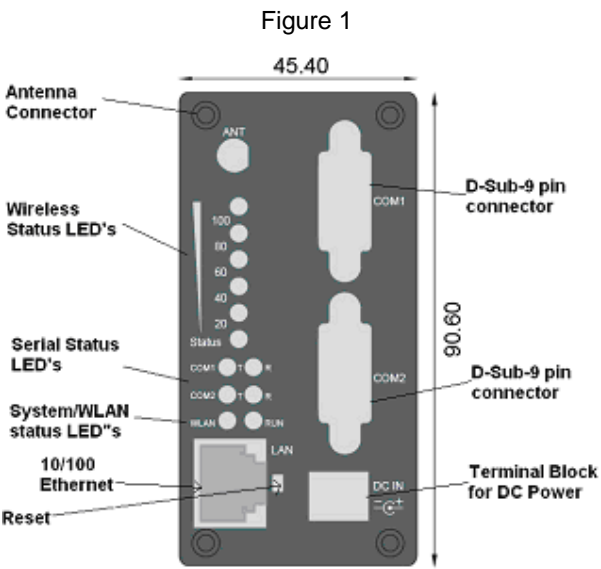


Overview

The PC-W has one Ethernet port and two Serial ports (RS232/RS422/RS485) to connect to IEEE 802.11 b/g wireless network. It is ideal to create a “bridge” for an Ethernet device/ Serial device such as PLC or Recorder or Controller to a wireless network. By using PC-W, these devices can be communicated over a wireless network to send or receive information from PC. This document intends to provide customers with brief descriptions about the product and to assist customers to get started. For detailed information and operations of the product, please refer to the product user’s manual in the Product CD.

Hardware Setup

Figure 1 show the components on the panel of PC-W.



***Reset Button:** Press Reset button continuously over 3 sec to reload the device to the factory default settings.

LED Indications

The LED’s indicate the status of PC-W. Please see the front panel

Name	Color	Status	Description
Signal Strength	Red (2)	ON	Its strength is poor, but the link is connected for the wireless link
	Yellow (2)	ON	Its strength is fair or good, the wireless link can supply a good transfer channel
	Green (2)	ON	Its strength is very good and the link is connected on best status
WLAN	Green	Off	Wireless Link is Broken or No data transmit or receive via wireless connectivity
		Blink	Wireless Traffic be indicted for data transfer
COM	Green	Off	No data transmit or receive via serial port
		Blink	Serial traffic be indicted for data transfer
RUN	Green	OFF/ON	System is not ready or halt
		Blink	System is running and LED is blink per 0.5 sec

Hardware Installation

- Step 1: Connect the device with the antenna and to a LAN switch with a standard UTP cable.
- Step 2: Attach the power wire to the device for 9~48V DC, and confirm the power polarity carefully.
- Step 3: Wait for the device to start up after 10~20 seconds, and see the next section for network configuration

UL Notice for Power supplier

All the series of PC-W products series are intended to be supplied by a Listed Power Unit marked with “LPS”, “Limited Power Source” or “Class 2” and output rate 9~48VDC, 1A minimum. Otherwise, use the recommended power supply in “Optional Accessories.”

Network Configuration

There are two steps to configure the device. First, you need to find the device in your network using our software tool, Serial Manager. Once, the device is properly configured with a new IP address; you can further configure the device's wireless network interface and Serial interface using a web browser

Configure using Serial Manager software

Use *Serial Manager* software that comes with Product CD to configure the network parameters of PC-W. Please refer to **Appendix B Serial Manager Configuration Utility** in the product user's manual for more details.

Step 1: Scan a new device using a broadcast scan

Step 2: Get the device's current IP address from table list after scanning, and login using the default **username: admin** and **default password: (leave it blank)**

Step 3: Re-assign an IP address, network mask and gateway if needed.

Step 4: Then, you can configure a wireless network interface and Serial connectivity mode using a web browser.

Warning: Please avoid setting IP addresses of LAN and WLAN interfaces in the same subnet. This may incur any unexpected networking problem.

Automatic IP Address using DHCP

To avoid any IP address conflict, an automatic IP address assignment should be used. A DHCP server can automatically assign an IP address, subnet mask, and gateway address to PC-W device. This function is disabled by default. Please see the user's manual for more details.

Configure using Web Browser

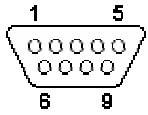
Step 1: Open a web browser and type in the IP address of the device in URL field. A dialog is prompt for a username and a password. The default username is **admin** and the password is **null (leave it blank)**.

Step 2: Configure network settings from web page links then click "**Save Configuration**" to save settings.

Step 3: Click on "**Restart**" button to make the change effective

Pin Assignment

DB9 male connector pin assignments for Serial

	Pin	RS-232	RS-485	RS-422
	1	DCD		
	2	RXD		T+
	3	TXD	Data+	R+
	4	DTR		
	5	SG (Signal Ground)		
	6	DSR		
	7	RTS	Data-	R-
	8	CTS		T-
	9	RI		



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