# **AP-201 Wireless Internet Access Point**

# **User's Manual**

# Inventec @ppliances Corp.

## IMPORTANT

This document contains important Information, please read it carefully before using this product.

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#### Revision: 0.1

# AP-201 Wireless Internet Access Point User's Manual

Date:02/08/2002

Revision History			
Date	Ву	Revision	Comments
02/08/2002		Draft	Initial Draft
			1.



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## 1. Introduction

Thank you for purchasing your AP-201 11Mbps Wireless LAN Access Point. This manual will assist you with the installation procedure for AP-201.

The package you have received should contain the following items:

- User manual
- Access Point
- Power adapter
- RJ45 cable
- Wall hanging base

Note: if anything is missing, please contact your vendor

A wireless LAN is normally used in a predefined environment. In such a network, Access Points are mounted at assigned places, each covering its own area in which wireless nodes can operate. These Access Points are connected to a wired network to communicate with each other and with servers and clients on that network.

The AP-201 Access Point can be connected to a 10/100 Mbps Ethernet network through a RJ45 (UTP) connector.



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## 2. Hardware Installation

#### Place the AP-201

To place the AP-201 on the desktop or setup the metal base on the wall to hang the Ap-201. Make sure the antennas are in a vertical position (if not, rotate over 90 degrees).





### **Connecting the AC Adapter**

- 1. To remove the cover on the right side of AP-201.
- 2. Connect the power cord to an electrical outlet.
- **3.** Plug the AC adapter power cable into the DC-IN jack on the right side of AP-201.
- 4. When the AC adapter is conncted to AC power, the **POWER** LED will be on.

#### **Connecting the RJ45 Cable**

- 1. Connect RJ45 cable to an wall outlet.
- 2. Plug another side into the RJ45 jack on the right side of AP-201
- 3. When the RJ45 cable is conncted, the LINK LED will be on.



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## 3. Configuring Your Computer

### **Configure TCP/IP Settings**

After you have completed the hardware setup by connecting your devices, you need to configure your computer to connect to your AP-201 Access Point. You need to determine how your ISP issues your IP address. Many ISPs issue these numbers automatically using a networking technology known as Dynamic Host Control Protocol, or DHCP. Other ISPs will specify your IP address and associated numbers, which you must enter manually. This is also known as a static IP address. How your ISP assigns your IP address determines how you will configure your computer.

1. From the Windows desktop, click the "Start," button. Choose "Settings," then click "Control Panel."





2. From "Control Panel," double-click the "Network" icon.

🐼 Control Panel \_ 🗆 × <u>File Edit View Go Favorites Help</u> C Paste L Сору Map Drive Disconnect + . \_ **>** t Up X Address 🐼 Control Panel • 8 \* R Ġ. -Accessibility Options Add New Hardware Add/Remove Programs Date/Time Display Control ł. ..... **e** Panel **% A** Game Controllers Find Fast Fonts Internet Options Keyboard Use the settings in Control Panel to personalize your computer. (p) Ś ٩ 60 LiveUpdate Mail Mod Mouse Multimedia Select an item to view its description. <u>ş</u>2 Ð **%** ų Ş Microsoft Home ODBC Data Sources (32bit) Power Management Network Password: Printers Technical Support 26 object(s) 📙 My Computer

3. In the "Network" window, under the "**Configuration**" tab, double-click the "**TCP/IP**" entry that is listed with your network card.

etwork	? ×
Configuration Identification Access Control	
The following network components are installed:	
Client for Microsoft Networks	
Accton EN2328/2228A 10/100 Mbps PCMCIA F	ast Ether
TCP/IP -> CP-108_10/100 Mbps PCMCIA	
	<b>_</b>
1	
Add Remove Pro	operties
Primary Network Logon:	
Client for Microsoft Networks	-
<u>File and Print Sharing</u>	
- Description	
TCP/IP is the protocol you use to connect to the In	ternet and
wide-area networks.	
OK	Cancel



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4. Select the "IP Address" tab. Verify that your IP Address is 10.2.147.50, your Subnet Mask is 255.255.0.0 and click OK.

TCP/IP Properties		? ×
Bindings DNS Configuration	Advanced Gateway WINS Confi	NetBIOS guration IP Address
An IP address can If your network doi your network admi the space below.	be automatically assigne as not automatically assign nistrator for an address, an	d to this computer. n IP addresses, ask nd then type it in
C <u>O</u> btain an IP	address automatically	
[ <sup>●</sup> Specify an IF	address:	
IP Address:	10 . 2 .147	. 50
S <u>u</u> bnet Mas	k: 255.255.0	. 0
	OK	Cancel

- 5. In the "Command Prompt" windows, type "c:\>ping 10.150.35.00
- 6. Return Windows Operating System. Run "Internet Explorer" and type address <u>http://10.150.35.200.</u> If success connecting, there will jump a identifying window to ask your User's ID and Password. Key in the correct ID and Password and click OK to enter the AP-201 Manager.
- \* The default is "ID:root, Password:root."



## 4. AP Manger Interface

### Parameter



Press "Basic configuration" 
` "Advance configuration" or "Utility" to see the detail setting selection.



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## 1. Basic configuration

1.1 System Setup

	<b>Basic Configuration - Syste</b>	m Setup
Please Fill-in The Fo	lowing System Information:	
System Authentic	ation Information:	
Supervisor	ID: root	
Supervisor Passw	ord: ****	
Password Cont	irm: ****	
<ul> <li>Administration In</li> </ul>	formation:	
Host Name:	(WLAN	
Domain Name: 👔	ac.com.tw	
Participation of the second se		

1.2 Interface Parameter

# **Basic Configuration - Interface Parameter**

#### Config Following Interface Parameter.

Select an index from the table below to modify specific item, then click 'Finish' button to set the configuration value.

Table of current interface parameter:

No	<b>©</b> 1	C 2	
Status	Active	Active	
Protocol	HWLAN	Ethernet	
IP address	192.168.1.1	140.92.61.153	
Net Mask	255.255.255.0	255.255.255.0	
Bridging	Join	Join	

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1.3 HHCP Parameter

# Basic Configuration - DHCP Parameter Config Following DHCP Parameter. • DHCP client setting: Interface: Disable •

1.4 Wireless LAN

Wi

				Bas	ic C	onfi	guration - Wireless LAN
rel	less LA Wirele	AN info	rmatic Configu	on. cration:			
	1	Channel:	3		-	T	
	rts Tł	reshold:	2348	i.			
	frag Tł	reshold:	800			Ī	
	Ba	sic rates:	15				
		SSID:	defa	ult		I	
	Static	on Name:	IAC-	AP201		I	
		WEP:	¢Е	nable	@ Dis	able	
	Def	ault Key:	2 -				
	Key1:	01	01	01	01	01	
	Key2:	02	02	02	02	02	[
	Key3:	03	03	03	03	03	
	Key4:	04	04	04	04	04	

### 1.5 Config Review

On the page of Config Review, you can browse all the configurations of Basic Config, and you can press the item to modify it.

1.6 Save & Restart

If you modify any setting, please press the "**Save**" button to save it, and Press the "**Restart**" button to make your new setting take effect.



#### 2. Advance Configuration

2.1 Bridging Parameter

Generic Parameter

ric Parameter:	s.	
General paramet	ter of all interfa	ce bridge fun
Spanning Tree:	Disable	Enable
IP Address:	10.2.147.50	
Subnet Mask:	255.255.0.0	

**STP** Parameter

## Spanning Tree Protocol Parameters.

Change the spanning tree protocol parameters and click 'Finish' buttom to submit then.



Static bridge Parameter

#### Static Bridge Parameters.

Click 'Delete' or 'Modify' buttom to delete or modify static bridge entry. Input new static bridge and click 'Add' buttom to add entry. Click 'Finish' button to return to previous page.

Table of current MAC entries:

Amou	nt of usable static en	try: 1
No	MAC	Interface
	Address	1 - 2

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#### 2.2 SNMP Community Parameter

## **Advance Configuration - SNMP Community Parameter**

#### **Config Following Community Parameter.**

Select one community index from the table below to modify specific item. Or click 'Finish' button to return to previous page.

#### Table of current community pool:

Index	Validaty	Access Right	Community
© 1	Enable	Read	public
<b>©</b> 2	Enable	Write	private
63	Disable		
64	Disable		
<b>©</b> 5	Disable		, <del></del>

#### 2.3 SNMP Trap Parameter

## **Advance Configuration - SNMP Trap Parameter**

#### Config Following Trap Host Parameter.

Select one trap host index from the table below to modify specific item. Or click 'Finish' button to return to previous page.

#### Table of current trap host pool:

Index	Version	IP Address	Community
@1	Version 1	140.92.61.208	public
•2	Version 2	140.92.61.208	public
63	Disable		
64	Disable	19 <u>11</u> )	
65	Disable		

#### 2.4 TFTP Parameter

# **Advanced Configuration - TFTP Parameter**

#### **Please Fill in The Following Information:**

Default TFTP Parameters:

TFTP Server IP:	10.150.19.45
TFTP Filename:	SOHO.BIN

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## 3. Utility

3.1 System Information

	Utility - Gen	eral System Informat
al System Infor	mation	
a system mor		
Product Model:	HWLAN 2001	
Software Version:	HWLAN 1.00	
Build:		
CPU:	Samsung NETARM 4510	
RAM:	4MB	
Flash:	2MB	
Chipset:	INTERSIL PRISM2 WLAN	
Firmware Version:		
Host Name:	HWLAN	
Domain Name:	iac com tw	

You can check this System Information page for some H/W specific

3.2 Software Upgrade

	Utility - Software Upgrad
fill in The Following	Software Upgrade Information:
hgrade Mode & TFTP Pa	rameters:
U <b>pgrade Mode &amp; TFTP Pa</b> Upgrade Mode:	Program Image
U <b>pgrade Mode &amp; TFTP Pa</b> Upgrade Mode: TFTP Server IP Address:	Program Image 10.150.19.45

The AP manager program can be upgraded. This menu didn't include this part, Please reference the document of software upgrade.



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## 5. Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices) any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **IMPORTANT NOTE:**

#### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



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