

CAP1300



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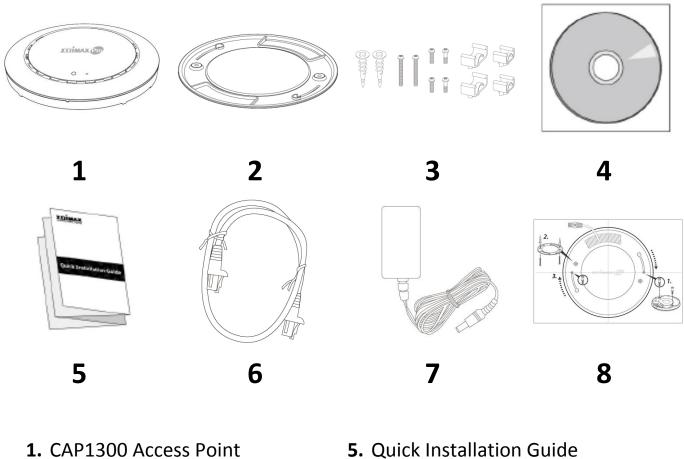
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Package Contents I-1



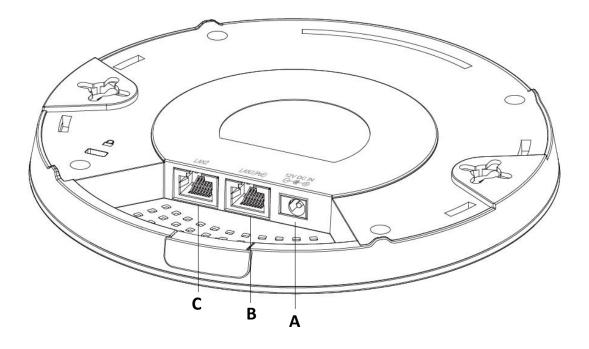
- 2. Ceiling Mount Bracket
- 3. T-Rail Mounting Kit & Screws
- 4. CD

- 5. Quick Installation Guide
- 6. Ethernet Cable
- 7. Power Adapter
- 8. Ceiling Mount Screw Template

I-2 System Requirements

- Existing cable/DSL modem & router -
- Computer with web browser for access point configuration -

Hardware Overview I-3



- 12V DC IN 12V DC port to connect the power adapter Α
- LAN 1 (PoE) В
- С LAN 2
- LAN port with Power over Ethernet (PoE) IN LAN port

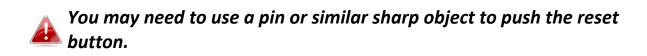
LED Status I-4

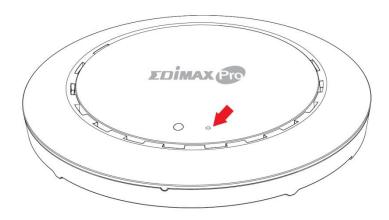
LED Color	LED Status	Description
	On	The access point is on.
Blue	Flashing Slowly	Upgrading firmware.
	Flashing Quickly	Resetting to factory defaults.
Analaan	On	Starting up.
Amber	Flashing	Error.
Off Off		The access point is off.

I-5 Reset

If you experience problems with your access point, you can reset the device back to its factory settings. This resets all settings back to default.

1. Press and hold the reset button on the access point for at least 10 seconds then release the button.





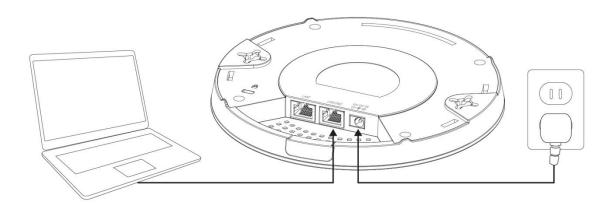
2. Wait for the access point to restart. The access point is ready for setup when the LED is blue.

II Quick Setup - AP Mode

Your access point can be up and running in just a few minutes. This quick installation section will help you setup your access point in its default AP mode and configure its basic settings.

II-1 Initial Setup

- **1.** Connect the access point to a computer via Ethernet cable.
- **2.** Connect the power adapter to the access point's 12V DC port and plug the power adapter into a power supply.



- **3.** Please wait a moment for the access point to start up. The access point is ready when the LED is blue.
- **4.** Set your computer's IP address to **192.168.2.x** where **x** is a number in the range **3 100**. If you are unsure how to do this, please refer to the user manual for more information.

Please ensure there are no other active network connections on your computer by disabling Wi-Fi and other Ethernet connections.

5. Enter the access point's default IP address **192.168.2.2** into the URL bar of a web browser.

6. You will be prompted for a username and password. Enter the default username "**admin**" and the default password "**1234**".

Connect to 192.1	68.2.2	? ×
		GET.
The server 192.1 password.	68.2.2 at localhost require	s a username and
User name:	🖸 admin	•
Password:	•••••	
	Remember my pas	sword
	ОК	Cancel

7. "System Information" home screen will be shown:

EDIMAX Pro			
10000	Information Network Sett	ings Wireless Settings Management A	dvanced Operation Mode
Information System Information	System Information		
Wireless Clients	System		
> Wireless Monitor	Model	46 Y 10 Y	
Whereas Fiolitor	Product Name	AP801F02F1968A	
DHCP Clients	Uptime	0 day 00:41:03	
	System Time	2012/01/01 00:40:45	
> Log	Boot from	Internal memory	
	Firmware Version	1.8.1	
	MAC Address	80:1F:02:F1:96:8A	
	Management VLAN ID	1	
	IP Address	192.168.2.2 Refresh	
	Default Gateway		
	DNS		
	DHCP Server		
	Wired LAN Port Setti	ngs	
	Wired LAN Port	Status	VLAN Mode/ID
	LAN1	Connected (100 Mbps Full-Duplex)	Untagged Port / 1
	LAN2	Disconnected ()	Untagged Port / 1

II-2 Basic Settings

Basic settings of the access point are:

- LAN IP Address; and
- 2.4GHz & 5GHz SSID & Security; and
- Administrator Name & Password; and
- Time & Date

It is recommended that these settings are configured before using the access point.

Whenever a new setting is applied to the access point, the webpage will reload, as shown below:

Configuration is complete. Reloading now				
Please wait for 19	seconds.			

Instructions below will help you configure these settings:

Changing IP Address:

1. Go to "Network Settings" > "LAN-side IP Address" for the screen below:

IP Address Assignment	DHCP Client
IP Address	192.168.2.2
Subnet Mask	255.255.255.0
Default Gateway	From DHCP V
Primary DNS Address	From DHCP v 0.0.0.0
Secondary DNS Address	From DHCP v 0.0.0.0

2. Enter the IP address settings you wish to use for your access point. You can use a dynamic (DHCP) or static IP address, depending on your network environment. Click "Apply" to save the changes and wait a few moments for the access point to reload.

When you change your access point's IP address, you need to use the new IP address to access the browser based configuration interface instead of the default IP 192.168.2.2.

Changing SSID for 2.4GHz wireless network

- 1. Go to "Wireless Settings" > "2.4GHz 11bgn" > "Basic".
- **2.** Enter the new SSID for your 2.4GHz wireless network in the "SSID1" field and click "Apply".

	Information Network Settings	Wireless Settings Management Advanced Operation Mode
Wireless Settings	Basic	
> 2.4GHz 11bgn		
> Basic	2.4GHz Basic Settings	
Advanced	Wireless	Enable Disable
Security	Band	11b/g/n 🔻
WDS	Enable SSID number	
Guest Network	SSID1	VLAN ID 1
> 5GHz 11ac 11an	Auto Channel	Enable Disable
Basic	Auto Channel Range	Ch 1 - 11 🔻
Advanced	Auto Channel Interval	One day 🔻
Security		Change channel even if clients are connected
	Channel Bandwidth	Auto 🔻
WDS	BSS BasicRateSet	all
Guest Network		
> WPS		Apply Cancel

To utilize multiple 2.4GHz SSIDs, open the drop down menu labelled "Enable SSID number" and select how many SSIDs you require. Then enter a new SSID in the corresponding numbered fields below, before clicking "Apply".

Enable SSID number	2 🔻	
SSID1	40.501.001503y	VLAN ID 1
SSID2	40 YES 40 YES	VLAN ID 1

Configuring Security Settings of 2.4GHz wireless network

- 1. Go to "Wireless Settings" > "2.4GHz 11bgn" > "Security".
- **2.** Select an "Authentication Method", enter or select fields where appropriate, and click "Apply".

	Information Network Settings	Nireless Settings Management Advanced Operation Mode
ireless Settings	Security	
.4GHz 11bgn		
Basic	2.4GHz Wireless Security Set	tings
Advanced	SSID	AND MERCHANNEL Y
Security	Broadcast SSID	Enable V
WDS	Wireless Client Isolation	Disable •
Guest Network	802.11k	Disable •
Guest Network	Load Balancing	50 /50
GHz 11ac 11an		
Basic	Authentication Method	No Authentication
Advanced	Additional Authentication	No additional authentication
Security		
WDS		
Guest Network	2.4GHz Wireless Advanced S	ettings
	Smart Handover Settings	
WPS	Smart Handover	Enable Disable
RADIUS	RSSI Threshold	-80 ▼ dB
RADIUS Settings		
Internal Server		Apply Can

If multiple SSIDs are used, specify which SSID to configure using the "SSID" drop down menu.

.4GHz Wireless Security Set			
SSID	And the second sec		
Broadcast SSID			
Wireless Client Isolation	Disable		
802.11k	Disable v		
Load Balancing	50 /50		
Authentication Method	No Authentication •		
Additional Authentication	No additional authentication		

<u>Changing SSID and Configuring Security Setting for 5GHz wireless network</u> Follow the steps outlined in "Changing SSID for 2.4GHz wireless network" and "Configuring Security Setting for 2.4GHz wireless network" but choose the 5GHz option instead.

Changing Admin Name and Password

1. Go to **"Management" > "Admin"** as shown below:

and the second sec	Information Network Settings	Wireless Settings	Management	Advanced Ope	eration Mode
Management	Admin				
Date and Time	Account to Manage This Device				
> Syslog Server	Administrator Name	admin			
	Administrator Password	•••••		(4-32Char	acters)
Ping Test	Autoritator Password	•••••		(Confirm)	
> I'm Here	Apply				

2. Complete the "Administrator Name" and "Administrator Password" fields and click "Apply".

Changing Date and Time

1. Go to **"Management" > "Date and Time"**.

10000	Information Network Settin	ngs Wireless Settings Management Advanced Operation Mode
Management > Admin	Date and Time	
> Date and Time	Date and Time Settings	;
> Syslog Server	Local Time	2012 Year Jan Month 1 Day 0 Hours 00 Minutes 00 Seconds
 > Ping Test > I'm Here 	Acquire Current Time	
	NTP Time Server	
	Use NTP	Enable
	Auto Daylight Saving	Enable
	Server Name	User-Defined v
	Update Interval	24 (Hours)
	Time Zone	(GMT+08:00) Taipei, Taiwan
		Apply Cancel

2. Set the correct time and time zone for your access point using the drop down menus. The access point also supports NTP (Network Time Protocol) so, alternatively, you can enter the host name or IP address of a time server. Click "Apply" when you are finished.

You can use the "Acquire Current Time from your PC" button if you wish to set the access point to the same time as your PC.

The basic settings of your access point are now configured. Please refer to **IV Hardware Installation** for guidance on connecting your access point to a router or PoE switch.

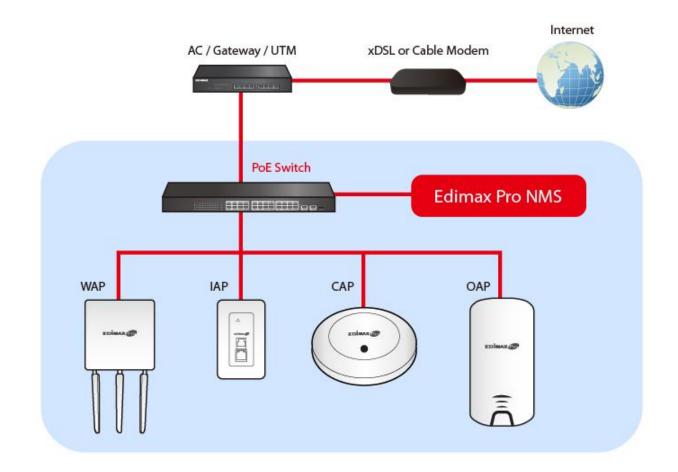
II-3 Wi-Fi Protected Setup (WPS)

Wi-Fi Protected Setup is a simple way to establish connections between WPS compatible devices. You can use the WPS button or the configuration webpage activate the access point's WPS function.

- **1.** Go to **"Wireless Settings"** > **"WPS"** on your configuration webpage.
- **2.** Check the checkbox of "Enable" and click "Apply" to turn on WPS function.
- **3.** Within two minutes, activate WPS on your WPS-compatible wireless device. Please check the documentation of your wireless device for information regarding its WPS function.
- **4.** The devices will establish a connection.

Edimax Pro Network Management Suite (NMS) supports the central management of a group of access points, otherwise known as an AP Array. NMS can be installed on one access point and support up to 16 Edimax Pro access points with no additional wireless controller required, reducing costs and facilitating efficient remote AP management.

Edimax Pro NMS is simple to setup. An overview of the system is shown below:



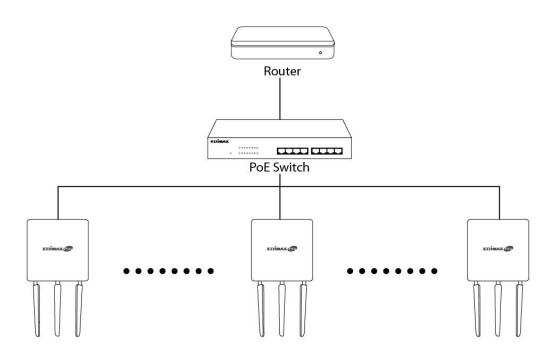
One AP (access point) is designated as the AP Controller (master) and other connected Edimax Pro APs are automatically designated as Managed APs (slaves). Using Edimax Pro NMS you can monitor, configure and manage all Managed APs (up to 16) from the single AP Controller.

Follow the steps below:

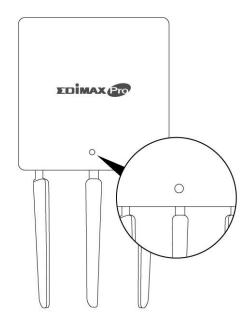


Ensure you have the latest firmware from the Edimax website for your Edimax Pro products.

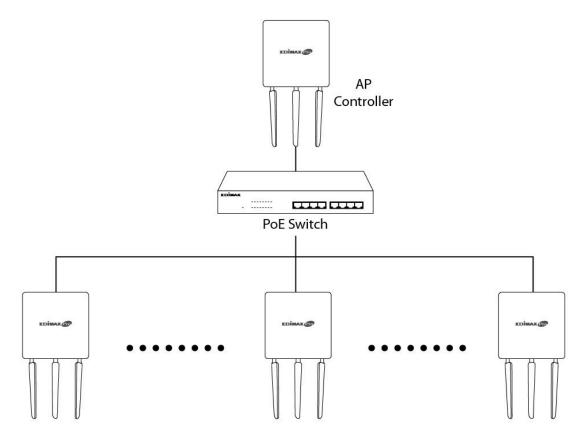
1. Connect all APs to an Ethernet or PoE switch which is connected to a gateway/router.



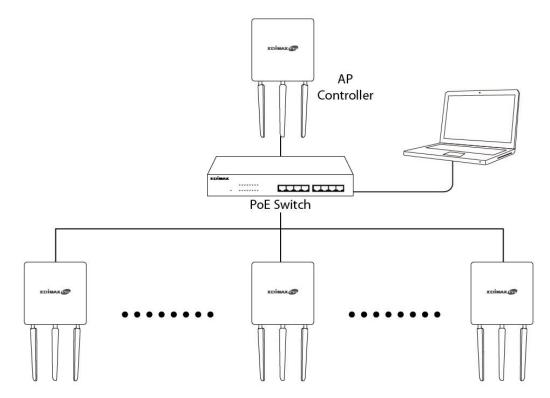
2. Ensure all APs are powered on and check their LEDs.



3. Designate one AP as the AP Controller which will manage all other connected APs (up to 16).

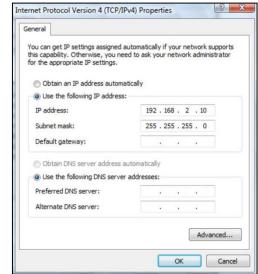


4. Connect a computer to the designated AP Controller using an Ethernet cable.



5. Open a web browser and enter the AP Controller's IP address in the address field. The default IP address is **192.168.2.2**

Your computer's IP address must be in the same subnet as the AP Controller. Refer to the user manual for help.



If you changed the AP Controller's IP address, or if your gateway/router uses a DHCP server, ensure you enter the correct IP address. Refer to your gateway/router's settings.

- **6.** Enter the username & password to login. The default username & password are **admin** & **1234**.
- You will arrive at the Edimax Pro NMS Dashboard. Go to "Management"
 → "Operation Mode" and select "AP Controller Mode" from the drop down menu.

10000	Information	Network Settings	Wireless Settings	Management	Advanced	Operation Mode	
Operation Mode Operation Mode 	Operation	n Mode					
_	Operatio	on Mode					
	Operatio	on Mode	AP Mode	▼		1	
			Repeater M				
	Wireless	Mode	AP Controlle Managed A		\leq	2	
	2.4GHz I	Mode	Client Bridg				
	5GHz I	Mode	Access Poir	nt 🔻			
						Apply Can	cel

8. Click "Apply" to save the settings.

peration Mode	
Operation Mode	
Operation Mode	AP Controller Mode <
Wireless Mode	
2.4GHz Mode	Access Point
5GHz Mode	Access Point ▼
Management	
Self AP Management Mode	Disable •
	Apply Cancel

9. Edimax Pro NMS includes a wizard to quickly setup the SSID & security for Managed APs. Click "Wizard" in the top right corner to begin.

Wizard Home Logout Global (English) \checkmark
--

10. Follow the instructions on-screen to complete **Steps 1-6** and click **"Finish"** to save the settings.

Step 1 2 3 4 5 6 Finish	Step 1	3 4 5 6 Finish
Installation	Local LAN-side IP Addre	255
Before start, please power on the managed APs and plug	IP Address Assignment	DHCP Client ~
into the same Ethernet network with this AP Controller.	IP Address	192.168.2.2
This Setup Wizerd will guide you through a basis presedure to	Subnet Mask	255.255.255.0
This Setup Wizard will guide you through a basic procedure to configure AP Controller system.	Default Gateway	From DHCP ~
	Primary DNS Address	From DHCP V
	Secondary DNS Address	From DHCP v
Next >> Cancel		
		<< Back Next >> Cancel

Step 1	2 3 4 5 6 Finish	Step 1 2	3 4 5 6 Finish
Date and Time	e Settings	Account to Manage This	5 Device
	2012 v Year Jan v Month 1 v Day	Administrator Name	admin
Local Time	0 V Hours 00 V Minutes 00 V Seconds	Administrator Password	(6-32 Characters)
Acquire Curre	ent Time from Your PC		<< Back Next >> Cancel
Use NTP	Enable		
Auto Daylight Saving			
Server Name User-Defined ~			
Update Interval	24 (Hours)		
Time Zone	MT+08:00) Taipei, Taiwan		

Step 1 2 3 4 5 6 Finish	Step 1 2 3 4 5 6 Finish
Select Free AP(s)	2.4GHz Settings
Search Add Match whole words	SSID
MAC Address Device Name Model IP Address Status	Security Key
✓ 74:DA:38:1D:26:4E AP74DA381D264E WAP1200 192.168.2.101	Guest Network O Enable Disable
	Guest SSID
Managed AP(s)	Security Key
Search Match whole words	
MAC Address Device Name Model IP Address Status	5GHz Settings
No Access Point List	Clone 2.4GHz Settings
Rescan << Back Next >> Cancel	SSID
	Security Key
	Guest Network ○ Enable ● Disable
	Guest SSID
	Security Key
	<< Back Next >> Cancel

Step 1	2 3	4 5	6	Finish	
Confirmat	ion				
Management IP					
IP Address Assignm	DHCP	DHCP Client			
Date and Time					
Local Time Time Zone		2012/01/01 00:00:00 (GMT+08:00) Taipei, Taiwan			
Administrator Ac	count				
Administrator Name	admin	admin			
Managed AP(s)					
MAC Address	Device Name	Model	IP Address	Status	
74:DA:38:1D:26:4E	AP74DA381D264E	WAP1200	192.168.2.101		
2.4GHz Settings					
SSID		2010a -			
Security Key	123456	78			
5GHz Settings					
SSID		2010 - C			
Security Key	123456	78			
		<< B	ack Finish	Cancel	

If any of your Managed APs cannot be found, reset it to its factory default settings.

11. Your AP Controller & Managed APs should be fully functional. Use the top menu to navigate around Edimax Pro NMS.

Dashboard Zone Plan NMS Monitor NMS Settings Local Network Local Settings Toolbox

Use **Dashboard**, **Zone Plan**, **NMS Monitor** & **NMS Settings** to configure Managed APs.

Use *Local Network & Local Settings* to configure your AP Controller.

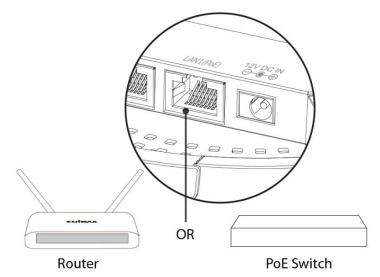
Refer to the user manual for more information.

IV-1 Router/PoE Switch

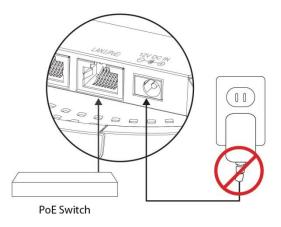
1. If you need to, remove the cap from the underside of the access point. This creates extra space for your cables to pass through.



2. Connect a router or a PoE switch to the access point's **LAN 1** port using an Ethernet cable.



- **3.** Power up the access point:
 - a) If router is used, connect the power adapter to the access point's 12V DC port and plug the power adapter into a power supply; or
 - b) If PoE (Power over Ethernet) switch is used, make sure the Ethernet cable is connected to
 LAN1 port from the switch. The access point will be powered by the PoE switch.





Do not use the power adapter if you are using a PoE switch.

4. Connect a local network client or switch to the access point's LAN 2 port as required.

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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 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 or more of the following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4. Consult the dealer or an experienced radio technician for help.

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

R&TTE Compliance Statement

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use

The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use

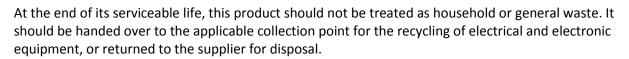
None

EU Declaration of Conformity

English:	This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Français:	Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
Čeština:	Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
Polski:	Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC
Română:	Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
Русский:	Это оборудование соответствует основным требованиям и положениям Директивы 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Magyar:	Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (1995/5/EK, 2009/125/EK, 2006/95/EK, 2011/65/EK).
Türkçe:	Bu cihaz 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
-	: Обладнання відповідає вимогам і умовам директиви 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Slovenčina:	Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 1995/5/ES, 2009/125/ES, 2006/95/ES, 2011/65/ES.
Deutsch:	Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Español:	El presente equipo cumple los requisitos esenciales de la Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Italiano:	Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 1995/5/CE, 2009/125/CE, 2006/95/CE, 2011/65/CE.
Nederlands	Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC
Português:	Este equipamento cumpre os requesitos essênciais da Directiva 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Norsk:	Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
Svenska:	Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 1995/5/EG, 2009/125/EG, 2006/95/EG, 2011/65/EG.
Dansk:	Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 1995/5/EC, 2009/125/EC, 2006/95/EC, 2011/65/EC.
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WEEE Directive & Product Disposal



Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment Directive.

Equipment: AC1300 Ceiling Mount Access Point Model No.: CAP1300

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum EMC	 N 300 328 V2.1.1 (2016-11); Draft ETSI EN 301 489-1 V2.2.0 (2017-03); Draft ETSI EN 301 489-17 V3.2.0 (2017-03); EN 301 893 V2.1.1 (2017-05);
EMF	: EN 62311:2008
Directives 2014/35 Safety (LVD)	/EU : IEC 60950-1:2005 (2nd Edition);Am 1:2009+Am 2:2013 EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
	Edimax Technology Co., Ltd. No. 278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan
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