300Mbps 802.11n In-wall Wireless Access Point with USB Charger
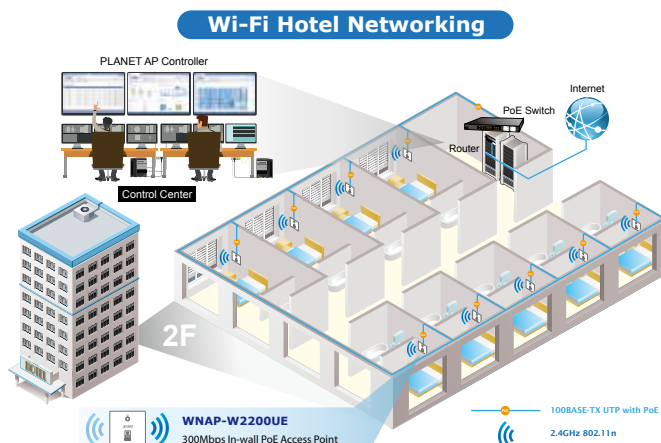
All-in-One Manageable Wi-Fi Solution for Hotel Industry

PLANET WNAP-W2200UE enables the hospitality industry to build a high-speed wireless network with 802.1Q VLAN and PLANET AP controller. Furthermore, it conforms to standard 86-type electrical junction box and IEEE 802.3af/at+, suitable for in-wall installation enabling to integrate the hotel network with its all-in-one interface. The WNAP-W2200UE also provides stable wireless signal that makes access to internet viable in regard to whatever nature of work you are into.

Easy Deployment with PLANET AP Controller

To expand the capability of in-wall AP, PLANET WNAP-W2200UE comes with centralized management, enabling the hospitality industry to deploy multiple APs with a single interface of AP controller and reducing repetitive tasks including AP provisioning, AP status monitoring and AP maintenance. In addition, by connecting with PLANET AP controller, PLANET WNAP-W2200UE helps hoteliers optimize their wireless network within minutes.

Standard Compliant Hardware Interface

- Compliant with IEEE 802.11n wireless technology with data rate of up to 300Mbps
- One 10/100BASE-TX port and one PoE powered device (PD) port
- USB charger port for charging most of mobile devices easily
- European 86-type wall outlet compatibility

Secure Network Connection

- Advanced security: 64-/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK (TKIP/AES encryption), 802.1x
- Supports wireless MAC address filtering control to limit the connected wireless clients
- Supports 802.1Q VLAN and SSID-to-VLAN mapping
- Supports IP/Port/MAC address/URL filtering, DoS, SPI Firewall
- Supports DMZ and port forwarding
- Bandwidth control per IP address to increase network stability

Multiple Operation Modes and Wireless Features

- Multiple operation modes: AP, Gateway, Repeater, WDS
- WMM (Wi-Fi multimedia) provides higher priority to multimedia transmitting over wireless
- Coverage threshold to limit the weak signal of clients occupying session
- Real-time Wi-Fi channel analysis chart and client limit control for better performance

Easy Deployment and Management

- Supports PLANET AP Controllers in AP mode
- Easy discovery by PLANET Smart Discovery
- Self-healing mechanism through system auto reboot setting
- System status monitoring through remote Syslog Server
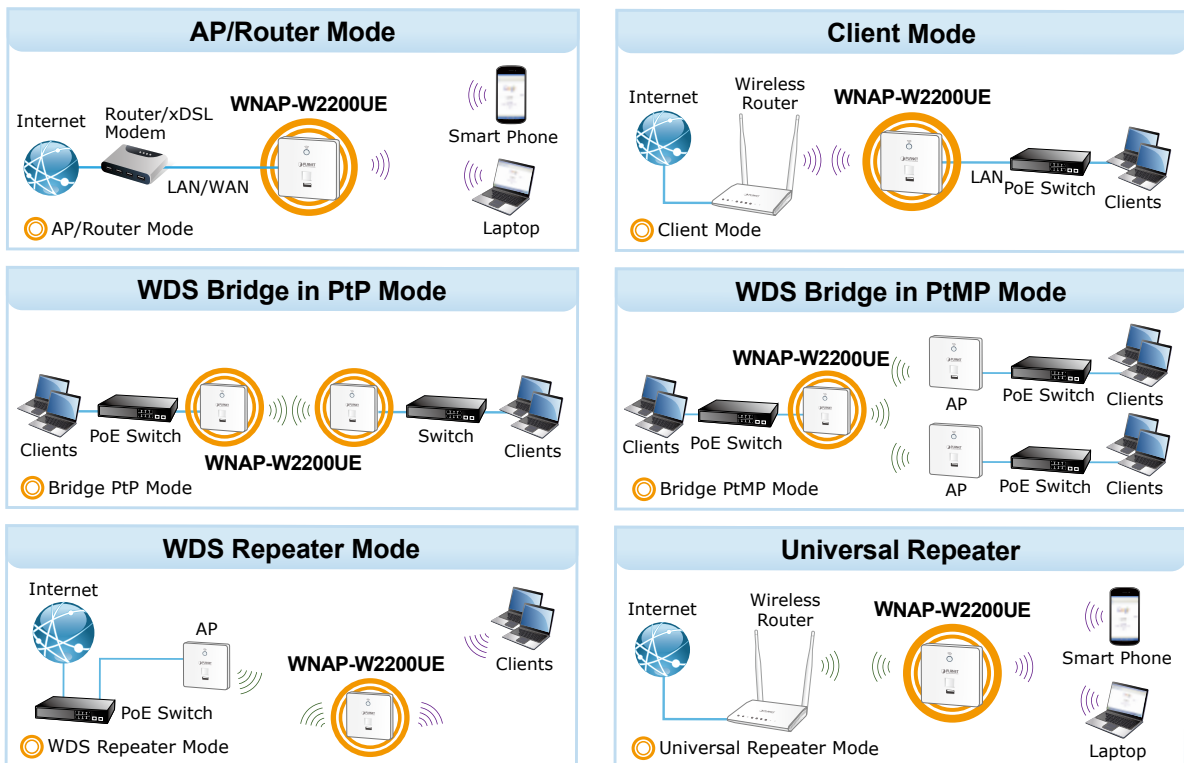- Supports PLANET DDNS/Easy DDNS

Suitable for Any Room Installation without Spoiling Interior Design

Featuring attractive in-wall design, the WNAP-W2200UE can be firmly installed into the wall via the standard 86 x 86 mm European outlet box, which makes electrical wiring invisible and convenient for room installation without affecting the original interior design. It is ideal for hotels, residences, hospitals and more to establish any kind of wireless network.

Comprehensive Wireless Operation Modes

The WNAP-W2200UE supports multiple wireless communication connectivities such as AP, Gateway, Repeater, WDS Point-to-Point (PtP) and WDS Point-to-Multipoint (PtMP), allowing users to comprehensively experience various applications.

Easy to Use Wi-Fi and USB Charger

Having a good night sleep is what we need in the hotel. It is easy to disable the Wi-Fi signal and LED on the front panel of the WNAP-W2200UE. When you don't need to use wireless LAN, just press the button to close the Wi-Fi and LED. To provide better services for travelers, the WNAP-W2200UE comes with a built-in USB 2.0 charger whose output of 5V DC power can charge any USB compliant mobile devices, e.g., cell phones, iPads, and other handheld devices. Thus, the WNAP-W2200 brings convenience to pedestrians, travelers and other users without having to worry about forgetting to carry an AC adapter.

One-touch Wi-Fi On/Off

Enjoy Wi-Fi as Needed

Applications

In-wall Design Ideal for High-density Wireless Network

The WNAP-W2200UE is specifically designed for hotels, offering guests convenient wireless LAN service. With the standard 86 type electrical outlet box installed and PLANET AP controller supported, you don't need to spend extra time and cost to deploy the wireless network. Its compact and all-in-one interface adapted to the room can match any decor and makes wiring invisible. The WNAP-W2200UE brings convenience to system administrators or machine operators as it comes with centralized management characteristic and comprehensive operation modes to fulfill any application at hotels and residences. No expensive instruments or complex back-end subscriber managed systems are required for deployment.

Wireless Consumer Applications

Specifications

Product	WNAP-W2200UE 300Mbps 802.11n In-Wall Wireless Access Point with USB Charger		
Hardware Specifications			
Interfaces	LAN	1 x 10/100BASE-TX RJ45 port Auto-negotiation and auto MDI/MDI-X	
	PoE Port	1 x 10/100Mbps auto MDI/MDI-X RJ45 port (rear panel) ※ IEEE 802.3af/at PD port	
	USB Port	USB 2.0, Type A, 5V DC, 0.5A output	
Antennas	Gain	2 x 2dBi antenna	
Button	Reset button (Press over 7 seconds to reset the device to the factory default)		
LED Indicators	Wireless		
Dimensions (Φ x H)	86 x 35 x 86 mm		
Weight	106 ±5g		
Power Requirements	48V 0.5A, IEEE 802.3af/at PoE+		
Power Consumption	< 5W		
Mounting	In-wall mount		
Wireless Interface Specifications			
Standard	IEEE 802.11b/g/n 2.4GHz		
Media Access Control	CSMA/CA		
Data Modulation	Transmission/emission type: DSSS/OFDM Data modulation type: OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK		
Frequency Range	FCC: 2.412~2.462GHz ETSI: 2.412~2.472GHz		
Operating Channels	FCC: 1~11 ETSI: 1~13		
RF Power	< 20dBm (EIRP)		
Receive Sensitivity	Network Mode	Data Rate	Receive Sensitivity (dBm)
	2.4GHz		
	802.11b	1Mbps	-88
		11Mbps	-85
	802.11g	6Mbps	-88
		54Mbps	-68
	802.11n	MCS0/MCS8	-68
		MCS7/MCS15	-68
Software Features			
LAN	Static IP		
	Supports IP-MAC binding		
Wireless Mode	– Access Point – Gateway – Repeater – WDS (AP/Bridge/Station)		
Channel Width	20MHz, 40MHz,		
Encryption Security	64-/128-bit WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1X		
Wireless Security	Enable/Disable SSID Broadcast		
	Wireless MAC address filtering		
	User Isolation		
Wireless Advanced	WMM (Wi-Fi Multimedia): 802.11e Wireless QoS		
	Multiple SSIDs: up to 4		
	Wireless Isolation: Enables to isolate each connected wireless client from communicating with each other		
	Provides wireless statistics		
Max. SSIDs	4		
Max. Clients	64 (20 is suggested, depending on usage)		
Max. WDS Peers	4		
Wireless QoS	Supports Wi-Fi Multimedia (WMM)		
Wireless Advanced	Auto channel selection		
	5-level transmit power control (100%, 75%, 50%, 25%, 12.5%)		
	Client limit control, coverage threshold		
	Wi-Fi channel analysis chart		
Status Monitoring	Device status, wireless client list		
	PLANET Smart Discovery		
	DHCP client table		
	System Log supports remote syslog server		

VLAN	IEEE 802.1Q VLAN (VID: 3~4094)
	SSID-to-VLAN mapping to up to 4 SSIDs
Self-healing	Supports auto reboot settings per day/hour
System Management	Supports PLANET Hardware AP Controller/ Software AP Controller Applicable controllers[1]: WAPC-500, SAPC
	Remote management through PLANET DDNS/Easy DDNS
	Configuration backup and restore
	Supports UPnP
	Supports IGMP Proxy
	Supports PPTP/L2TP/IPSec VPN pass-through
	SNMP v1/v2c/v3 support, MIB I/II, Private MIB
Remarks	1. the feature will be supported through firmware/system upgrade.
Environment & Certification	
Temperature	Operating: -20 ~ 55 degrees C Storage: -40 ~ 70 degrees C
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 95% (non-condensing)
Regulatory	CE, RoHS

Ordering Information

| WNAP-W2200UE | 300Mbps 802.11n In-Wall Wireless Access Point with USB Charger |

Related Wireless Products

WDRT-1202AC	1200Mbps 802.11ac Dual Band Wireless Gigabit Router
WRE-1200	1200Mbps 802.11ac Dual Band Wall Plug Wi-Fi Range Extender
WDL-U601AC	433Mbps 802.11AC Dual Band Wireless USB Adapter
Smart AP Control	PLANET Smart Wireless AP Controller Software

* To have the best performance and wireless connection, matching it with the above-related products is recommended.

Related PoE Products

POE-161	IEEE 802.3at Gigabit High Power over Ethernet Injector (external power)
POE-163	IEEE 802.3at Gigabit High Power over Ethernet Injector (internal power)
WGSD-10020HP	8-Port 10/100/1000Mbps + 2 100/1000X SFP Managed 802.3at PoE Switch
WGSW-24040HP/ WGSW-24040HP4	24-Port 10/100/1000Mbps 802.3at PoE+ plus 4 Shared SFP Managed Switch
SGSW-24040HP	24-Port 10/100/1000Mbps + 4 Shared SFP 802.3at Stackable PoE Managed Switch
GSW-1600HP	16-Port 10/100/1000Mbps 802.3at PoE+ Ethernet Switch
HPOE-460	4-Port IEEE 802.3at High Power over Ethernet Injector Hub
IGS-10020HPT	Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch with Wide Operating Temperature
IGS-504HPT	Industrial 5-Port Gigabit Switch w/4-Port 802.3at PoE+
IGS-624HPT	Industrial 4-Port 10/100/1000T 802.3at PoE+ plus 2-Port 100/1000X SFP Ethernet Switch

CE

WNAP-W2200UE