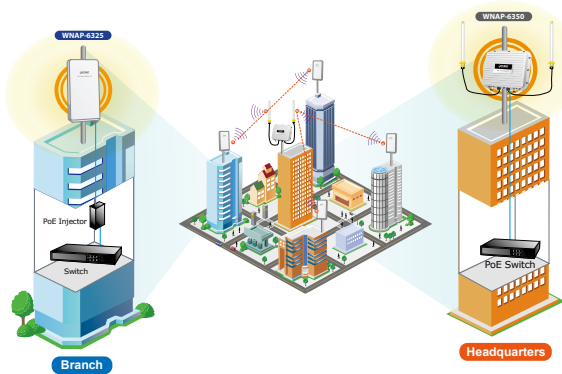


2.4GHz 300Mbps 802.11n Wireless Outdoor CPE



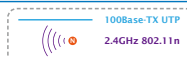
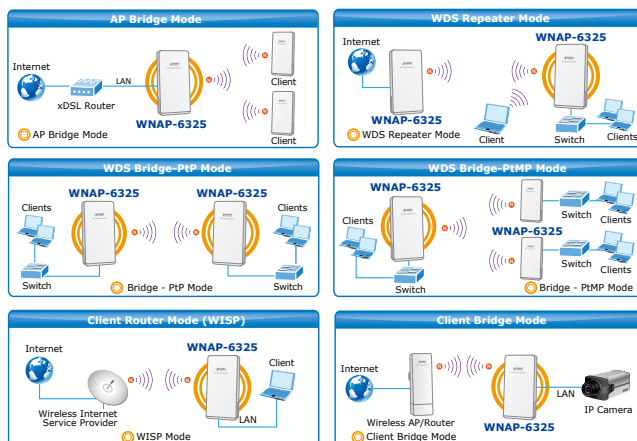
Cost-effective Wireless Solution with Superior Performance

The WNAP-6325 is designed to provide a highly-stable, better performance and cost-effective wireless solution in outdoor wireless deployment. With the same transmission power, it offers better significant range and excellent throughput than those of the traditional 802.11g wireless device. Via the embedded 12dBi dual-polarization (vertical and horizontal) directional antenna, it provides good diversity coverage and better noise immunity effect, thus heightening the performance of a long-distance, outdoor connectivity even though the environment is flooded with many 2.4GHz wireless equipment.



Designed for Various Requirements

The WNAP-6325 is dedicatedly designed for WISP solution that provides CPE users with Internet access via the WISP provider in rural areas. Besides, it caters to various wireless communication connectivities (AP / Client / WDS PtP / WDS PtMP / Repeater), thus meeting users' application requirements.



Industrial Compliant Wireless LAN and LAN

- Compliant with IEEE 802.11n wireless technology capable of up to 300Mbps data rate
- Backward compatible with 802.11g standard
- Equipped with 10/100Mbps RJ-45 ports for LAN and WAN with auto MDI/ MDI-X supported

Fixed-network Broadband Router

- Supported connection types in WISP mode: Dynamic IP/ Static IP/ PPPoE
- Supports virtual server and DMZ for various networking applications
- Supports DHCP server, UPnP and Planet DDNS

RF Interface Characteristics

- Built-in 12dBi dual-polarization antenna
- High output power up to 500mW with multiply-adjustable transmit power control

Outdoor Environmental Characteristics

- IP55 enclosure
- Passive Power over Ethernet design
- Operating temperature: -20~70°C

Multiple Operations and Wireless Modes

- Multiple operation modes: Bridge and WISP
- Multiple wireless modes: AP, Client CPE (WISP), WDS PtP, WDS PtMP
- Supports WMM (Wi-Fi Multimedia)

Secure Network Connection

- Advanced security: 64/128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK (TKIP/AES) and 802.1x RADIUS authentication
- Supports MAC address filtering

Advanced Security and Rigorous Authentication

The WNAP-6325 supports WEP, WPA / WPA2, WPA-PSK and WPA2-PSK wireless encryptions, the advanced WPA2-AES mechanism and 802.1X RADIUS authentication, which can effectively prevent eavesdropping by unauthorized users or bandwidth occupied by unauthenticated wireless access. Furthermore, any users are granted or denied access to the Wireless LAN network based on the ACL (Access Control List) that the administrator pre-established.

Flexible and Reliable Outdoor Characteristics

The WNAP-6325 is definitely suitable for such applications as IP surveillance, backhaul link of building to building and backbone of public service. Additionally, the self-healing/schedule reboot capability keeps connection alive all the time. Meeting the IP55 rating for outdoor UV resistant enclosure, the WNAP-6325 can perform normally under rigorous weather conditions, meaning it can be installed in any harsh, outdoor environments. With the proprietary Power over Ethernet (PoE) design, the WNAP-6325 can be easily installed in the areas where power outlets are not available.

Easy Deployment and Management

With user-friendly Web UI and step-by-step setup wizard, the WNAP-6325 is easy to install, even for users who never experience in setting up a wireless network. Furthermore, with the Planet Smart Discovery Utility and SNMP-based management interface, the WNAP-6325 is convenient to be managed and configured remotely.

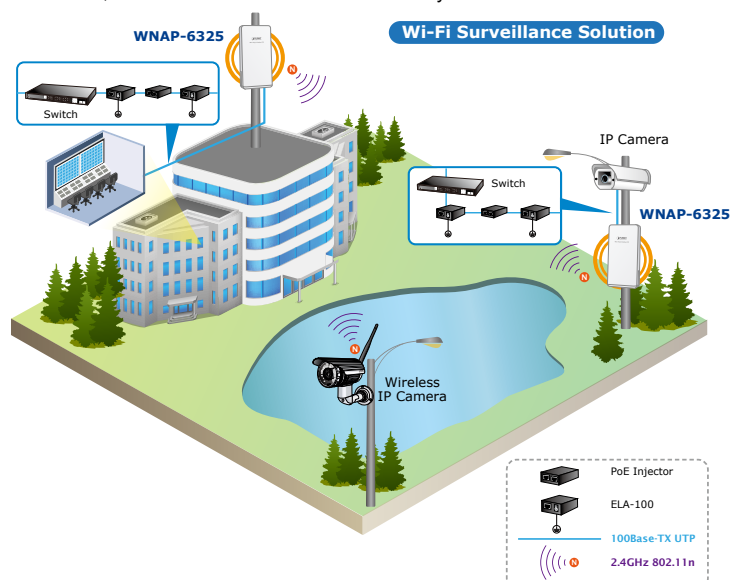
Easy Installation and Management

- Web-based UI and Quick Setup Wizard for easy configuration
- Planet Smart Discovery Utility allows administrator to discover and locate each AP
- SNMP-based management interface
- System status monitoring includes DHCP Client and System Log

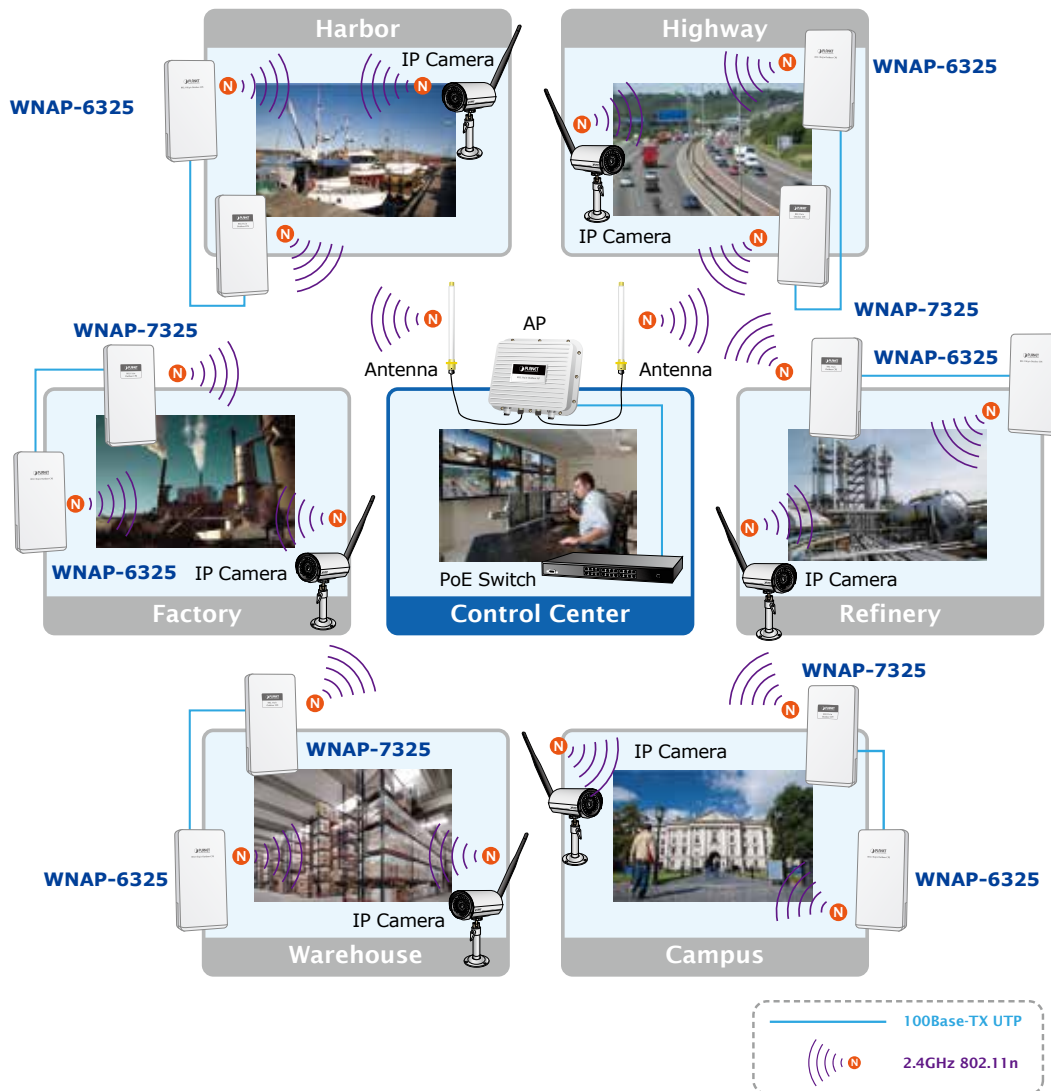
Applications

Flexible Outdoor Wireless Solution

The WNAP-6325 is a cost-effective outdoor wireless solution for widely open space applications. It is definitely suitable for outdoor wireless connections between buildings and IP surveillance facilities. Furthermore, the WNAP-6325 equipped with grounding terminal can be directly grounded and perfectly prevent damage from lightning surges when functioning with PLANET ELA-100, the Ethernet Lightning Arrest Box, which assures the connection stability.



With built-in 14dBi dual-polarization directional antenna, the WNAP-6325 brings higher performance and longer distance of wireless connection. The WNAP-6325 provides high output power with multiply-adjustable Tx controller, which allows CPE users to easily install and adjust the suitable value in appropriate locations. When connecting with the WNAP-6325, the system integrator is able to provide a reliable IP surveillance solution to eliminating the limited wireless coverage of the IP camera.



**We recommend you to match the WNAP-6325 with our related products to get the best results.

Specifications

Model		WNAP-6325
Hardware		
Standard Support	IEEE 802.11b/g/n IEEE 802.3 IEEE 802.3u IEEE 802.3x	
Memory	64 Mbytes DDR SDRAM 16 Mbytes Flash	
PoE	Passive PoE	
Interface	Wireless IEEE802.11b/g/n, 2T2R PoE LAN (LAN 1): 1 x 10/100Base-TX, auto-MDI/MDIX, passive PoE LAN 2: 1 x 10/100Base-TX, auto-MDI/MDIX, passive PoE pass-through	
Antenna	Built-in 12dBi dual-polarization antenna - Horizontal: 30 degrees - Vertical: 20 degrees	
Wireless RF Specifications		
Wireless Technology	IEEE 802.11b/g IEEE 802.11n	
Data Rate	IEEE 802.11b: 1, 2, 5.5, 11Mbps IEEE 802.11g: up to 54Mbps IEEE 802.11n (20MHz): up to 150Mbps IEEE 802.11n (40MHz): up to 300Mbps	
Media Access Control	CSMA/CA	
Modulation	Transmission/Emission type: OFDM Data modulation type: OFDM with BPSK, QPSK, 16-QAM, 64-QAM	
Frequency Band	2.412GHz ~ 2.484GHz	
Operating Channel	America/ FCC: 2.414~2.462GHz (11 Channels) Europe/ ETSI: 2.412~2.472GHz (13 Channels) Japan/ TELEC: 2.412~2.484GHz (14 Channels)	
RF Output Power (Max.)	IEEE 802.11b: up to 26 ± 1dBm IEEE 802.11g: up to 23 ± 1dBm IEEE 802.11n: up to 22 ± 1dBm	
Receiver Sensitivity (dBm)	IEEE 802.11b: -94dBm IEEE 802.11g: -91dBm IEEE 802.11n: -89dBm	
Output Power Control	12~27dBm	
Power Consumption	12W	
Power Requirements	LAN	24V DC, 1A/ Passive PoE Pin 4,5 V DC+ Pin 7,8 V DC- Pin 3 Reset
Software		
LAN	Built-in DHCP server supporting static IP address distribution Supports 802.1d STP (Spanning Tree)	
WAN	■ Static IP ■ Dynamic IP ■ PPPoE	
Operating Mode	■ Bridge ■ WISP	
Firewall	NAT firewall with SPI (Stateful Packet Inspection) Built-in NAT server supporting virtual server and DMZ Built-in firewall with port/ IP address/ MAC/ URL filtering	
Wireless Mode	■ AP ■ Client ■ WDS PTP ■ WDS PTMP ■ * WDS Repeater (AP+WDS)	
Channel Width	20MHz / 40MHz	
Wireless Isolation	Enable to isolate each connected wireless client to let them cannot access mutually	
Encryption Type	64/128-bits WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1x	

Wireless Security	Wireless LAN ACL (Access Control List) filtering
	Wireless MAC address filtering
	Enable/Disable SSID Broadcast
Multiple SSIDs	* Up to 8
Max. Wireless Clients	25
Max. WDS APs	8
Max. Wired Clients	60
WMM	Supports Wi-Fi multimedia
QoS	Supports Quality of Service for bandwidth control
NTP	Network Time Management
Self Healing	Supports Schedule Reboot
Management	Web UI, DHCP Client, Configuration Backup and Restore, Dynamic DNS, and SNMP
Diagnostic Tool	System Log, Ping Watchdog
Environment and Certification	
Operating Temperature	-20~70°C
Operating Humidity	10~95% non-condensing
IP Level	IP55
Regulatory	CE, FCC, RoHS
Accessory	
Standard Accessories	<ul style="list-style-type: none"> ■ WNAP-6325 x 1 ■ PoE Injector x 1 ■ Power Cord x 1 ■ Plastic Strap x 1 ■ Quick Installation Guide x 1
Remarks	* means future firmware support

Ordering Information

WNAP-6325	2.4GHz 300Mbps 802.11n Wireless Outdoor CPE
-----------	---

Related Products

CB-STP-25	25-meter STP Cat5 Cable
ELA-100	Ethernet Lightning Arrest Box
WNL-U555HA	High Power 802.11n Wireless Compact USB Adapter
ICA-HM316W	2 Mega-pixel 11n Outdoor IR IP Camera

PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City

231, Taiwan (R.O.C.)

Tel: 886-2-2219-9518

Email: sales@planet.com.tw

Fax: 886-2-2219-9528

www.planet.com.tw



PLANET reserves the right to change specifications without prior notice. All brand names and trademarks are property of their respective owners. Copyright © 2014 PLANET Technology Corp. All rights reserved.

WNAP-6325