2.4GHz 802.11n 300Mbps Wireless LAN Outdoor CPE AP/Router (2 x RP-SMA connector)

Faster Speed and Longer Distance

Adopting IEEE 802.11n advanced MIMO technology, the WNAP-6335 provides reliable wireless network coverage and incredible improvement in the wireless performance by delivering data rate up to 300Mbps. As an IEEE 802.11b/g/n compliant wireless device, the WNAP-6335 is able to give stable and efficient wireless performance for long distance application. With its adjustable output power up to 500mW and RP-SMA antenna connectors, it can directly connect with various high gain antennas to extend wider coverage for outdoor long-ranging application.

Designed for Various Requirements of Wireless LAN

The WNAP-6335 supports multiple wireless communication connectivities, including AP/Router, WDS PtP, WDS PtMP and WISP modes, that meet various application requirements to enable users to gain more comprehensive experience. It also helps users to easily build wireless network and extend the wireless range of the existing wireless network.

Industrial Compliant Wireless LAN & LAN

- Compliant with IEEE 802.11n wireless technology capable of delivering data rate up to 300Mbps
- Backward compatible with 802.11b/g standards
- Equipped with 10/100Mbps RJ45 ports for LAN and WAN; auto MDI/ MDI-X supported

Fixed Network Broadband Router

- Supported connection types: Dynamic IP, Static IP, PPPoE
- Supports Virtual Server and DMZ for various networking applications
- Supports DHCP Server, UPnP and PLANET Dynamic DNS

RF Interface Characteristics

- Built-in RP-SMA antenna connectors
- 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
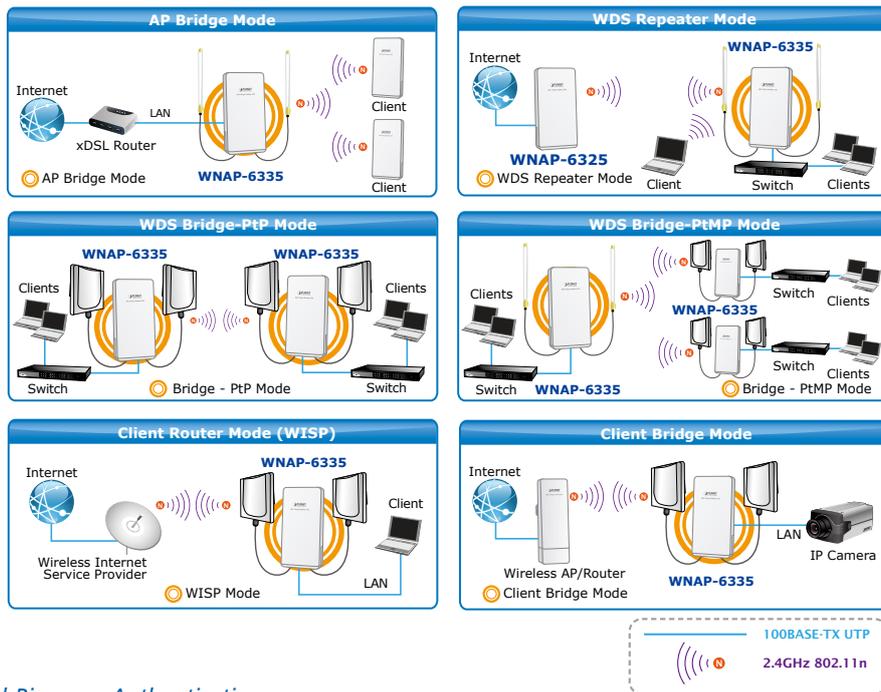
Multiple Operation and Wireless Modes

- Multiple Operation Modes: Bridge, WISP
- Multiple Wireless Modes: AP, Client CPE (WISP), WDS PtP, WDS PtMP
- Supports WMM (Wi-Fi Multimedia)

Reliable and Secure Network Connection

- Supports Software Wi-Fi Protected Setup (WPS)
- Advanced Security: 64/128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK (TKIP/AES), and 802.1x authentication
- Supports IP/Protocol-based access control and MAC filtering
- Supports self-healing (Schedule Reboot) mechanism for reliable connection

Easy Installation and Management

- Web-based UI and quick setup wizard for easy configuration
- SNMP-based management interface
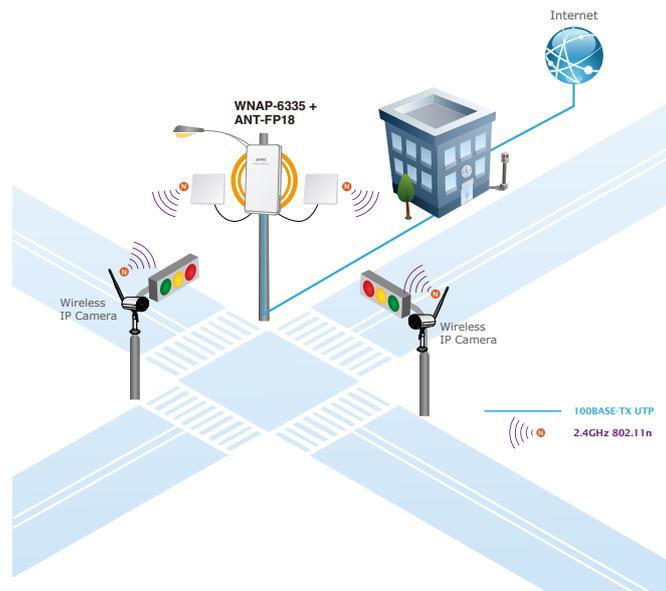- System status monitoring includes DHCP Client and System Log

Advanced Security and Rigorous Authentication

In aspect of security, besides 64/128-bit WEP encryption, the WNAP-6335 is integrated with WPA / WPA2, WPA-PSK / WPA2-PSK and 802.1x authority to secure and protect your wireless LAN. The wireless MAC filtering and SSID broadcast control are to consolidate the wireless network security and prevent unauthorized wireless connection.

Flexible and Reliable Outdoor Characteristics

The WNAP-6335 is definitely suitable for such applications as IP surveillance, backhaul link of building to building and backbone of public service. Additionally, the self-healing and schedule reboot capability keeps connection alive all the time. Meeting the IP55 rating for outdoor UV resistant enclosure, the WNAP-6335 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-6335 can be easily installed in the areas where power outlets are not available.
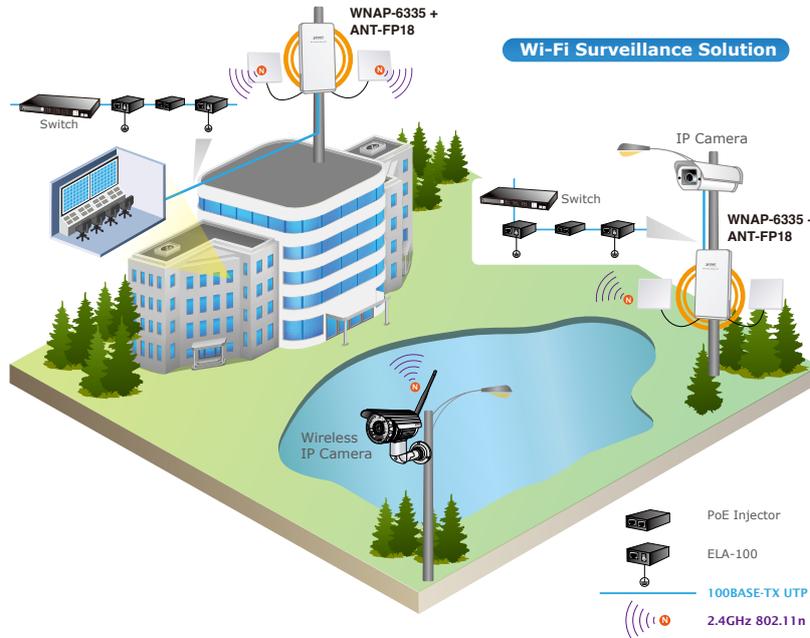

Easy Deployment and Management

With user-friendly Web UI and the Planet Smart Discovery Utility, the WNAP-6335 is easy to install, even for users who never experience in setting up a wireless network. Furthermore, with the PLANET Dynamic DNS service and SNMP-based management interface, the WNAP-6335 is convenient to be managed and configured remotely.
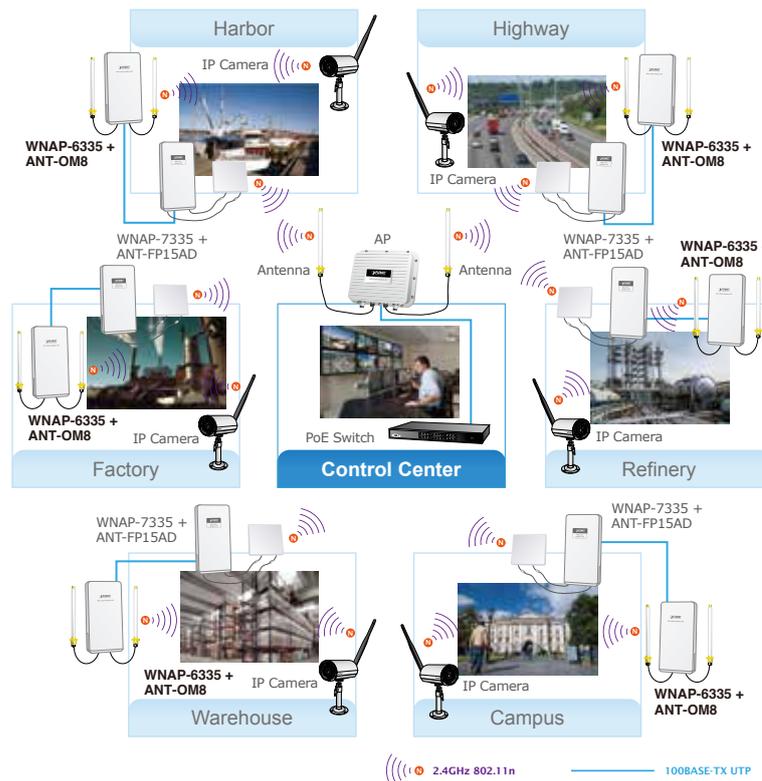
Applications

Flexible Outdoor Wireless Solution

The WNAP-6335 is a cost-effective outdoor wireless LAN solution for widely open space applications. It is definitely suitable for outdoor wireless connections between buildings and IP surveillance facilities. Furthermore, the WNAP-6335 can 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 RP-SMA connectors, the WNAP-6335 can equip with various antennas that will bring higher performance and longer distance of wireless connection. The WNAP-6335 provides high output power with multiply-adjustable Tx controller, which allows CPE users to easily install and adjust the suitable power output in appropriate locations. When connecting with the WNAP-6335, the system integrator is able to provide a reliable IP surveillance solution to increasing wireless coverage of the IP camera.

**We recommend you to match the WNAP-6335 with our related products to get the best results.

Specifications

Model	WNAP-6335 300Mbps 802.11n wireless outdoor CPE
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 RP-SMA antenna connectors
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
Software Features	
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/ Router • Client • WDS PTP • WDS PTMP • WISP
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
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
Mechanical and Power	
IP Level	IP55
Material	Outdoor UV Stabilized Enclosure
Dimensions (W x D x H)	127 x 63 x 254 mm
Weight	366g
Installation	Pole mounting or wall mounting
Power Requirements	LAN1 • 24V DC, 1A/ Passive PoE • Pin 4,5 V DC+ • Pin 7,8 V DC- • Pin 3 Reset
Power Consumption	12W
Environment and Certification	
Operating Temperature	-20~70°C
Operating Humidity	10~95% non-condensing
Regulatory	CE, FCC, RoHS
Accessory	
Standard Accessories	• WNAP-6335 x 1 • 24V DC Passive PoE Injector & Power Cord x 1 • Plastic Strap x 1 • Quick Installation Guide x 1

Ordering Information

WNAP-6335	2.4GHz 802.11n 300Mbps Wireless LAN Outdoor CPE AP/Router (2 x RP-SMA connector)

Related Products

WNAP-6308	2.4GHz 150Mbps 802.11n Wireless Outdoor AP
WNAP-6315	2.4GHz 150Mbps 802.11n Wireless Outdoor CPE
WNAP-6325	2.4GHz 300Mbps 802.11n Wireless Outdoor CPE (12dBi Antenna built-in)
WNL-U555HA	High Power 802.11n Wireless Compact USB Adapter
ICA-W3250V	Full HD Outdoor IR Wireless IP Camera
ELA-100	Ethernet Lightning Arrest Box

Accessories

CB-STP-25	25-meter STP Cat5 Cable
WL-SMA-0.6	0.6M RP-SMA(M) to N(M) Cable
WL-SMA-6	6M RP-SMA(M) to N(M) Cable
WL-N-10	10-meter N-male (male pin) to N-female (female pin) Extension Cable
ANT-OM8	8dBi Omni-directional Antenna
ANT-OM15	2.4GHz 15dBi Omni-directional Antenna
ANT-FP18	18dBi Flat-Panel Directional Antenna
ANT-FP9	2.4GHz 9dBi Flat Panel Directional Antenna
ANT-FP18	2.4GHz 18dBi Flat Panel Directional Antenna
ANT-SE18	2.4GHz 12-18dBi Adjustable Sector Antenna
ANT-YG13	2.4GHz 13dBi Yagi Directional Antenna
ANT-YG20	2.4GHz 20dBi Yagi Directional Antenna
ANT-GR21	2.4GHz 21dBi Grid Directional Antenna
WL-LTNA	2.4/5GHz Lightning Arrester (N-male to N-female)

C-WNAP-6335