WNAP-7300 802.11a/n Outdoor Wireless

For Wireless Connections between Buildings

Saratota

WNAP-7300

Key Features

5 GHz | WDS | WISP | PoE | SNMP | Waterproof IP-55

- IEEE 802.11a/n standards compliant
- 5GHz wireless networks deliver widely and better connections with less interference
- Multiple Antenna choices: Built-in 16dBi dual-polarity Antenna, and two External Antenna Connectors (Reverse SMA connector)
- Adopts 2T2R MIMO Technology for higher performance up to 300Mbps with 802.11n mode
- IP-55 case protection against rigorous weather conditions
- Wide range of temperature tolerance for low or high temperature environment
- High Transmit Output Power up to 400mW with multiple adjustable transmit power control
- Power over Ethernet design (with proprietary injector)
- Multiple Wireless Access Modes: AP, Client, Client CPE (WISP), WDS, AP+WDS
- Supports 64/128/152-bit WEP and 802.1X, WPA, WPA2, WPA&WPA2, WPA-PSK, WPA2-PSK, and WPA-PSK&WPA2-PSK Authentication
- Firewall supports IP/Port Filtering
- User-friendly Web and SNMP based management interface
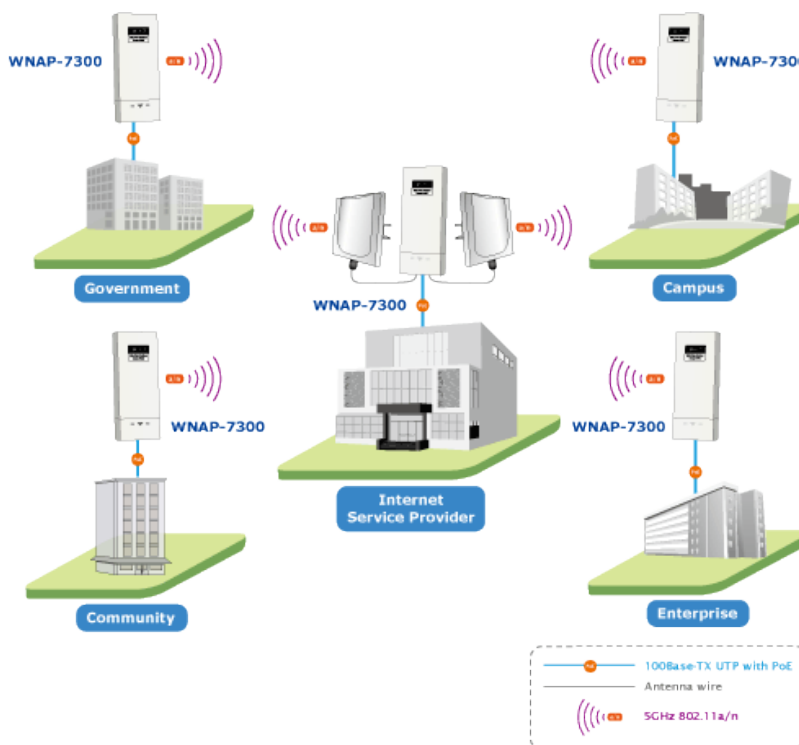
Description

The WNAP-7300 is compatible with IEEE 802.11a/n, with data rates up to 300Mbps in 802.11n mode. The unit has an integral 16dBi dual-polarity Antenna with two connectors for external Antennas for long range and directional applications.

The WNAP-7300 supports multiple operation modes: AP, AP Client, and WDS for a wide range of wireless scenarios. It also supports WISP mode for connecting to the Internet via WISP provider or connections to a wired network.

Security features include 64/128/152 bits WEP encryption, WPA / WPA2, WPA-PSK / WPA2-PSK and 802.1x authority. With a user-friendly Web and SNMP based management interface, the WNAP-7300 can easily be managed and configured remotely.

With its IP-55 casing protection, the WNAP-7300 can operate in rigorous weather conditions including heavy rain and wind. The proprietary Power over Ethernet (PoE) design enables WNAP-7300 units to be installed in areas where power outlets are not available. The WNAP-7300 units are ideal for outdoor wireless access applications between buildings on campuses, business, rural areas and etc.

Typical Application

WNAP-7300 802.11a/n Outdoor Wireless
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Specifications

Model	WNAP-7300
Product	
Standard support	IEEE 802.11a/n IEEE 802.3u
Interface	Wireless IEEE802.11a/n LAN: 2 x 10/100Base-TX, Auto-MDI/MDIX
Modulation	OFDM with BPSK, QPSK, 16-QAM, 64-QAM
	Internal (default): 16dBi dual-polarity Antenna *Vertical Port HPBW (YZ Plane /H-Plane)：36 Degree (XZ Plane /E-Plane)：15 Degree *Horizontal Port HPBW (YZ Plane /E-Plane)：38 Degree (XZ Plane /H-Plane)：17 Degree External: RP-SMA Connector x 2 *internal & external antenna switch able by Software
Receiver Sensitivity	**IEEE 802.11a:** -89 dBm @ 6 Mbps -88 dBm @ 9 Mbps -87 dBm @ 12 Mbps -86 dBm @ 18 Mbps -83 dBm @ 24 Mbps -79 dBm @ 36 Mbps -75 dBm @ 48 Mbps -73 dBm @ 54 Mbps **IEEE 802.11n:** HT20 MCS0~MCS7 $\leqq$ -89dBm HT40 MCS0~MCS7 $\leqq$ -85dBm HT20 MCS8~MCS15 $\leq$ -83dBm HT40 MCS8~MCS15 $\leqq$ -80dBm
Max. Output Power	802.11a: 24 ± 2dBm 802.11n: 23 ± 2dBm (HT20/40) 5 levels adjustable (Full, 50%, 25%, 12.5%, Min)
Data Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: HT20/40 MCS0~15 (6.5Mbps to 300Mbps)
Frequency Range	FCC: 5725~5850 MHz CE: 5470~5725 MHz (DFS band)
Wireless Security	64/128/152-bits WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1X
Wireless Access Mode	AP, Client, Client CPE (WISP), WDS, AP+WDS
Environmental Protection Rating	IP-55
Dimension (W x D x H)	110.98 x 255.6 x 47.65 mm
Power Adapter	15V DC, 0.8A (passive PoE)
Operating Environment	Temperature: -20 ~ 70 Degree C Humidity: 10 ~ 95% non-condensing

Ordering Information

WNAP-7300	802.11a/n Wireless LAN Outdoor AP

Contact

For more information please contact Saratota Ltd
Tel 0845 500 1447 e-mail sales@saratota.co.uk