



WNAP-C3220

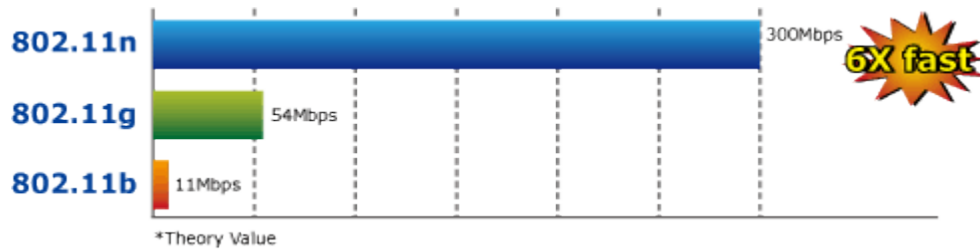


Overview

The PLANET WNAP-C3220 is a PoE Wireless Access Point with a unique ceiling-mount design featuring the latest wireless technology. It offers 300Mbps 802.11n wireless speed, multiple operation modes, Gigabit LAN connectivity and 802.3af Power over Ethernet features that increase user mobility and speed within a network. The WNAP-C3220 blends unobtrusively into any ceiling or wall to create a secure, cost-effective and highly scalable wireless LAN infrastructure. It enables offices, hotels, coffee shops, hospitals, home users, etc to offer wireless Internet access coverage.

Ultra High Speed 802.11n Wireless

The WNAP-C3220 features latest IEEE 802.11n radio with 2T2R MIMO antenna technology to provide improved wireless speed and coverage with up to 300Mbps upload and download data rate. The incredible wireless speed makes it ideal for handling multiple HD movies stream, high resolution on-line game, stereo music, VoIP and data streams at the same time stably and smoothly. It is also backward compliant with 802.11g and 802.11b standards; thus it is no need to change the existing network for convenient maintenance. Just connect to the WNAP-C3220; you can immediately enjoy high-speed wireless access.



Description

Multiple Operating Modes

The WNAP-C3220 supports multiple wireless communication connectivity: wireless **AP**, wireless **Repeater**, **WDS Point-to-Point (PtP)** and **Point-to-Multipoint (PtMP)**, allowing various applications that give users more comprehensive experience. It enables users to easily build a wireless network or to extend the coverage of an existed wireless network.

Advanced Wireless Security

In addition to 64/128-bit WEP encryption, the WNAP-C3220 integrates WPA / WPA2, WPA-PSK / WPA2-PSK and 802.1x authority to secure and protect your wireless LAN. It also provides wireless MAC filtering and SSID broadcast control to consolidate the wireless network security and prevent unauthorized wireless connections.

Unique & Ceiling Mountable Design

With its attractive flying saucer appearance and ceiling mountable design, the WNAP-C3220 can be discreetly installed on ceilings or walls, without protruding antennas.

Flexible Deployment with PoE Feature

Compliant with IEEE 802.3af Power over Ethernet standard, the WNAP-C3220 can be powered and networked using a single UTP cable. It thus reduces the need for extra cables and dedicated electrical outlets on the walls, ceilings. This enables WNAP-C3220 deployment to be more flexible, free from the worries of power outlet locations.

Easy Installation & Management

With user-friendly Web UI and step by step wizard of the WNAP-C3220, it is easy for users to install the device, even for a user with no previous experience of setting up a wireless network. Its SNMP feature allows the system administrator to remote monitor and control the network devices more efficiently.

Key Features

Compliance with Industrial Standard

- Compliant with IEEE 802.11n wireless technology capable of up to 300Mbps data rate
- Backward compatible with 802.11b/g standard
- Gigabit Auto-Negotiation LAN port, compliant with IEEE 802.3/802.3u standards
- Supports 802.3af standard-based PoE or local AC power

Secure Network Connection

- Advanced security:
 - 64/128-bit WEP
 - WPA-PSK / WPA2-PSK
 - WPA / WPA2 With 802.1x
- Supports MAC Address Filtering Access Control to limit the connected wireless clients

Multiple Operating Modes, Multiple Mounting Options

- Multiple operating modes including AP, Repeater, WDS Point to Point, WDS Point to Multiple Point
- Sleek Stylish and Ceiling Mountable Design

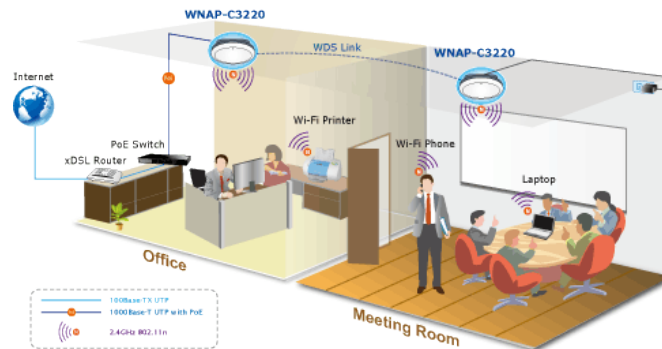
Easy Installation & Management

- Step by Step configuration with Intelligent Setup Wizard
- User-friendly Web and SNMP-Based management interface
- System status monitoring including Associated Client List, System Log

Typical Applications

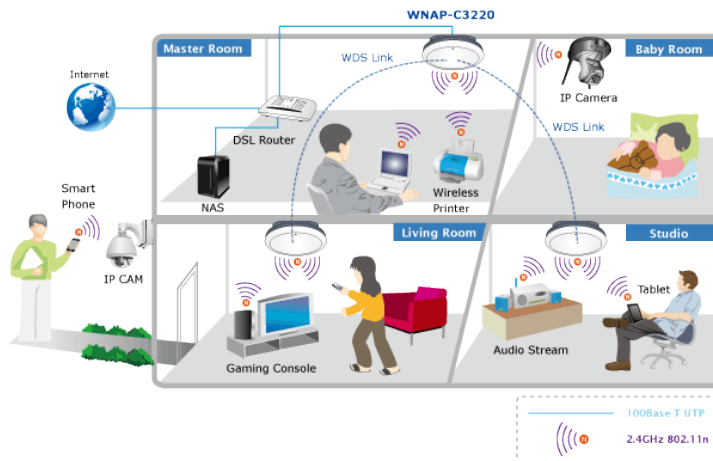
High Speed and Secure Wireless LAN Connection

The WNAP-C3220 provides high Internet access capability for the office or home wireless networking. With its WPA-PSK / WPA2-AES security features the WNAP-C3220 can effectively prevent unauthorized users accessing the network.. For efficient enterprise applications, multiple WNAP-C3220 PoE AP can be powered directly from one SGSW-24040P, 24-Port Gigabit PoE Switch, and performed advanced PoE management features, such as PoE power on/off schedule, usage monitoring, SNMP trap and email alarm.



Home Wireless Range Extender

The WNAP-C3220 is characterized of ceiling mounting design and advanced MIMO technology which reduces the effect of dead spot, so that it can get better coverage of existed wireless network. The WDS and repeater modes by the WNAP-C3220 minimize installation and cabling cost.





WNAP-C3220 802.11n Ceiling Mounted Wireless Access Point

For High Speed and Secure Internet Access

Specifications

Model	WNAP-C3220
Hardware Specification	
Standard support	IEEE 802.11b/g IEEE 802.11n IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet
PoE	802.3af PoE
Interface	Wireless IEEE 802.11b/g/n LAN: 1x 10/100/1000Base-T, Auto-MDI/MDIX, 802.3af PoE compliant
Antenna	Built-in 2T2R, 2dbi Printed Antenna
LED	Wireless / Power LED
Button	Reset
Power Requirements	Power Supply: DC 12V, 1A Power over Ethernet: IEEE 802.3af PoE, DC 48V, 0.35A
Power Consumption	≤ 6W
Wireless Interface Specification	
Frequency Band	2.4 ~ 2.4835GHz
Modulation	Transmission / Emission Type: DSSS / OFDM Data modulation type: OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK
Opt. Channel	America / FCC: 2.412~2.462GHz (1~11 Channels) Europe / ETSI: 2.412~2.472GHz (1~13 Channels) Japan / TELEC: 2.412~2.484GHz (1~14 Channels)
RF Output Power	20dBm (Max.)
Receiver Sensitivity	IEEE 802.11b: -92dBm @ 1Mbps; -85dBm @ 11Mbps, PER < 8% IEEE 802.11g: -88dBm @ 6Mbps; -73dBm @ 54Mbps, PER < 10% IEEE 802.11n: -90dBm @ MCS8; -70dBm @ MCS15, PER < 10%
TX Power	User defined (Range 1~100, default 100)
Data Rate	IEEE 802.11b: 1/ 2/ 5.5/ 11Mbps IEEE 802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54Mbps IEEE 802.11n: 300 Mbps in 40MHz mode / 150Mbps in 20MHz mode
Wireless Management Features	
Operating Mode	AP Repeater WDS PiP WDS PtMP
Encryption Security	64/128-bits WEP WPA, WPA-PSK WPA2, WPA2-PSK 802.1X
Wireless Isolation	Enable it to isolate each connected wireless clients but not let them access to each other mutually
Wireless Security	Wireless MAC address filtering (up to 50 entries) SSID broadcast and Hide
Wireless Client Max	20 (default 10)
WMM	Wi-Fi Multimedia for better data transmission of Video or on-line demand
BG Protection Mode	A protection mechanism prevents collisions among 802.11b/g modes
APSD	For auto power-saved service
Max. WDS AP	4
Max. Wired Client	Unlimited
Software	
LAN	Static IP, Dynamic IP
Management	Web UI, SNMP
SNMP	v1/v2c; MIB support: MIB I, MIB II (RFC-1213)
Diagnostic tool	System Log
Environment & Certification	
Operation	Temperature: 0 ~ 40 Degree C Humidity: 10 ~ 90% non-condensing
Storage	Temperature: -40 ~ 70 Degree C Humidity: 5 ~ 90% non-condensing
Regulatory	CE, RoHS

Ordering Information

WNAP-C3220 300Mbps 802.11n Wireless Ceiling Mount Range Extender

Contact

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