



WNAP-C3220A NEW

300Mbps 802.11n Ceiling-mount Wireless Access Point



- Overview
- Applications
- Key Features
- Specifications
- Download
- Related Products

Hardware Specifications

PoE	802.3af PoE PD, PD Class 3
Interface	Wireless IEEE 802.11b/g/n LAN: 1x 10/100BASE-TX, auto-MDI/MDIX, 802.3af PoE compliant
Antenna	Built-in 2T2R, 3dbi printed antenna
LED	Power/position LED (Allowing LED to turn off via software control)
Button	Reset button (Press over 5 seconds to reset the device to factory default)
Material	Plastic
Dimensions (Φ x H)	144 x 33 mm
Weight	300 ±5g
Power Requirements	802.3af/at PoE, 48-56V DC input, 0.35A (max.) 5V DC input, 1A (max.)
Power Consumption	≤ 4.5W (max.)
Mounting	Ceiling Mount, Wall Mount

Wireless Interface Specifications

Standard	IEEE 802.11b/g/n 2.4GHz
Antenna Structure	802.11n: 2T2R MIMO
Modulation	Transmission/emission type: DSSS/OFDM Data modulation type: OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK
Frequency Range	America -- FCC: 2.412~2.462GHz Europe -- ETSI: 2.412~2.472GHz
Operating Channels	America -- FCC: 1~11 Europe -- ETSI: 1~13

Channel Width	802.11n: 20/40MHz
Data Transmission Rates	802.11n (HT40): 270/243/216/162/108/81/54/27Mbps 135/121.5/108/81/54/40.5/27/13.5Mbps (dynamic) 802.11n (HT20): 130/117/104/78/52/39/26/13Mbps 65/58.5/52/39/26/19.5/13/6.5Mbps (dynamic) 802.11g: 54/48/36/24/18/12/9/6Mbps (dynamic) 802.11b: 11/5.5/2/1Mbps (dynamic)
Transmission Distance	802.11n: up to 70m 802.11g: up to 30m The estimated transmission distance is based on the theory. The actual distance will vary in different environments.
Max. RF Power	802.11n: 17 ± 2dBm 802.11g: 17 ± 2dBm 802.11b: 18 ± 2dBm
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%
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
TX Power	Provides 5-level Tx Power Control (100%, 70%, 50%, 35%, 15%)
Software Features	
Operation Mode	<ul style="list-style-type: none"> ■ Standalone AP ■ Managed AP
Wireless Mode	<ul style="list-style-type: none"> ■ AP (Multiple-SSIDs) ■ Client ■ Repeater (WDS+AP) ■ Universal Repeater (AP+Client) ■ WDS PtP Bridge ■ WDS PtMP Bridge
Wireless Encryption	<ul style="list-style-type: none"> ■ WEP (64-/128-bit) encryption security ■ WPA/WPA2 (TKIP/AES) ■ WPA-PSK/WPA2-PSK (TKIP/AES) ■ 802.1x RADIUS Authentication
Wireless Security	Wireless MAC address filtering (up to 20 entries) Supports WPS (Wi-Fi Protected Setup) SSID broadcast and hide
Wireless Advanced	<ul style="list-style-type: none"> ■ Supports WMM (Wi-Fi Multimedia) for better data transmission of video or on-line demand ■ Supports wireless schedule ■ Multiple SSIDs: up to 5 ■ Wireless Isolation: Enables it to isolate each connected wireless client of a BSSID from communicating with each other ■ TAPP (Inter Access Point Protocol): 802.11f wireless roaming

- IEEE 802.11n Wireless LAN (IEEE 802.11n Wireless LAN)
- Provides wireless statistics, max. associated station number

Max. Clients

Wired: 253

2.4GHz Wireless: 32

LAN

- Built-in DHCP server supporting static IP address distribution
- Supports static IP and dynamic IP
- Supports UPnP
- Supports 802.1d Spanning Tree

System Management

- Web-based (HTTP) management interface
- Supports SNTP synchronization
- Easy firmware upgrade via HTTP/TFTP (through AP controller)
- Easily locate deployed APs through the LED control
- Supports scheduled reboot
- Supports Smart Discovery Utility
- Supports WAPC series of AP controllers for central management

Max. WDS Peers

4

IEEE Standards

IEEE 802.11n (2T2R, up to 300Mbps)
 IEEE 802.11g
 IEEE 802.11b
 IEEE 802.11i
 IEEE 802.3 10BASE-T
 IEEE 802.3u 100BASE-TX
 IEEE 802.3x flow control

Other Protocols and Standards

CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, SNTP

Environment & Certification**Temperature**

Operating: -10 ~ 50 degrees C
 Storage: -40 ~ 70 degrees C

Humidity

Operating: 10 ~ 90% (non-condensing)
 Storage: 5 ~ 90% (non-condensing)

Regulatory

FCC Part 15B & 15C, RoHS

Ordering Information**WNAP-C3220A**

300Mbps 802.11n Wireless Ceiling-mount Range Extender

Top