Data Sheet HTCA300

HTCA300 is a high-performance, high-rate indoor 11n Ceiling-Mounted Access Point

Product Appearance:

Product Overview:

HTCA300 is a high-performance, high-rate indoor 11n ceiling-mounted AP that can provide 2.4G wireless services, providing a cleaner wireless environment and more stable wireless access.

Features:

- Compact ceiling-mount design with optimized RF performance
- 533Mhz Qualcomm QCA9531 Chipset, 802.11b/g/n Support
- 128MB SDRAM + 16MB Flash Build-in for Higher Performance
- Gateway / Repeater / AP / Wireless ISP operation modes
- IEEE 802.3af PoE supports up to 100 meters (200 feet) deployment
- 300Mbps data rate, 64 end users max, 40+ simultaneous end users tested
- Wireless LAN Controller Central Management Support

Descriptions

The HTCA300 Series is a PoE Ceiling Mount Access Point (AP) that using concurrent 2.4 GHz and featuring the advanced 802.11n technology. The smoke detector look exterior makes the CA300 Series perfect for indoor ceiling-mount installation; with the optimized antennas built-in, its design solves the common interference issue in ceiling-mount deployments. The AP supports multiple operating modes, such as AP, Gateway and repeater, which make it an ideal, flexible solution for small business, hotels and school environments.

AP Controller Support

It supports AP Controller for configuring, managing and monitoring multiple APs from one central location.

300Mbps Wireless N Speed –Extend Wireless Coverage

With wireless speeds of up to 300Mbps and advanced MIMO technology, the CA300 provides you with a fast, reliable wireless connection for lag-free online gaming and video streaming.

High Power and Whole Coverage

Embed with signal amplifiers, the RF power can be 500mW, internally equipped with 2X 2 multiple-input, multiple-output (MIMO) 3.5dBi antennas guarantee continuous Wi-Fi coverage range up to 200 meters. Several shielding cans along the circuit board reduce interference for reliable connections to more Wi-Fi devices.

PoE Support for Flexible Deployment

HTCA300 AP can use an Ethernet cable to simultaneously send data and electricity wherever the AP may be located, as far as 200 feet away. This feature multiplies deployment options, allowing you to place the AP in a position that is most convenient to get the best signal possible, such as on the wall or the ceiling of your office.

WPA / WPA2 Encryptions - Advanced Security

With the most attentive wireless security, the CA300 High Power Wireless Access Point provides multiple protection measures. It can be set to turn off wireless network name (SSID) broadcast so that only stations that have the SSID can be connected. The AP provides wireless LAN 64/128/152-bit WEP encryption security, and WPA/WPA2 and WPA-PSK/WPA2-PSK authentication, as well as TKIP/AES encryption security.

Multiple Operation Modes

- Versatile Access Point
- Bundled 48V IEEE 802.3af/ Passive 24V power over Ethernet also provides flexible installation options in hard-to-wire locations.
- Supports Ping Watch Dog which enables the device to reboot itself if the device has any errors. This self-recover feature reduces the time spent manually configuring the device.

Product Specifications

Wireless:	
Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, 533MHz
Data Rate	300Mbps
Frequency Range	2.4~2.4835GHz, U.S., Europe and Japan product covering 2.400 to 2.4835 GHz, programmable for different country regulations.
Wireless Transmit Power	802.11n: @MCS7:22±2DB, @MCS0:24±2DB. 802.11g: @54M:23±2DB, @6M:25±2DB. 802.11b: @11M:26±2DB, @1M:28±2DB.
Receive Sensitivity	802.11n: -70dbm@MCS7, -88dbm@MCS0. 802.11g: -72dbm@54Mbps, -88dbm@6Mbps. 802.11b: -85dbm@11Mbps, -94dbm@1Mbps.
EVM	802.11n: ≤-28 DB 802.11g: ≤-25 DB 802.11b: ≤-10 DB
Operation Modes	Gateway, Repeater(Extender), AP(access point), Wireless ISP
PPM	±20ppm
Max Users	64+
Wireless Security	WEP Encryption-64/128/152 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) Hide SSID
System Requirements	Windows 7/Vista/XP/2000, Mac OS®, Linux or Android OS, iOS
Hardware:	
Chipset	Qualcomm QCA9531

Flash	16MB
SDRAM	128MB DDR RAM
Interfaces	1 x WAN RJ-45 for 10/100 Mbps(POE) 1 x LAN RJ-45 for 10/100 Mbps 1 x Power DC Jack
Button	1 x Reset button(Reset & Factory Defaults)
LED indicator	WiFi, Power, System
Antenna	2x built-in 3.5dBi Omni-directional Antennas
Power Supply	DC: 12V/1A; 110V/220V 24V Passive PoE or IEEE 802.3af 48V PoE
Dimensions(W x D x H)	168*168*35mm
Software:	
Wireless Function	Auto-Channel selection Distance Control (802.1x Ack timeout) BSSID
Protocol/Standard	IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
Network	Port Mapping, DMZ Host, Statics Routing, DDNS,UPNP
Management	Firmware Upgrade and backup, factory Reset, Restart, WEB management, log management, the PING tool
Others	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10% ~ 90%, Non-condensing
Storage Humidity	5%~95%, Non-condensing

Certifications	CE,FCC,ROHS
Package Contents	1 x 300Mbps 802.11 N Access Point 1 x Mounting kits 1 x English Installation Guide