



KS-AP1200

1200M Wi-Fi 5 Wave2 Ceiling AP

#Version 1.0 by Kosky

KS-AP1200



Introduction

KS-AP1200 is the high-performance enterprise level Wi-Fi 5 Wave2 ceiling AP complying with IEEE802.11ac standard and well work in both 2.4GHz and 5GHz dual-frequency with maximum concurrent speed 1200Mbps so as to meet the wireless access demands of massive terminal devices. With innovative design of multiple built-in high-gain antennas KS-AP1200 is capable to cover more wireless range with more stable performance and signal. The full gigabit wired network port can connect gigabit wired LAN or terminal, and one port supports IEEE702.3af PoE for providing both high-speed transmission and power input at the same time. Together with the compact design and easy-to-install KS-AP1200 is the ideal application choice for enterprise, hotel, shopping mall and other high-density Wi-Fi access environment.

Highlights

- √ Support IEEE802.11ac/Wi-Fi 5 standard with 1200Mbps concurrent speed
- √ Support MU-MIMO technology of multiple users simultaneous access
- √ Gigabit RJ45 port for better LAN speed
- √ Multiple built-in high-gain antennas with more wireless coverage
- √ Support both PoE and DC power supply
- √ Easy deployment and installation by ceiling-mounted design
- √ Simple WEB configuration and start using

Key Features

◆Dual-band 1200Mbps Wi-Fi 5 Wave2 for better Wi-Fi performance

IEEE802.11ac Wave2 standard provides more bandwidth and support dual-band concurrent of 2.4GHz 300Mbps and 5.8GHz 867Mbps. Compared with 802.11n standard the Wi-Fi speed increase more than 400%.

◆MU-MIMO technology

Support high-density user network access

MU-MIMO technology brings better utilization of wireless network bandwidth and assure single user Wi-Fi quality. It's ideal for high-density environment application.

◆Built-in omni high-gain antennas

Stronger Wi-Fi coverage and better appearance

By innovative special design of 5dBi high-gain antenna the RF signal can comprehensively cover the target territory. Excellent surface design bring the easy-deployment for the site application.

◆Wireless anti-stick function

One button remove weak signal for a cleaner network environment

Weak signal terminal will delay the communication efficiency of whole wireless network and influence other equipment normal working. By anti-stick function the weak signal can be removed so as to improve the total wireless network communication quality.

◆PoE standard technology

One cable transmitting data and power with convenience and safety

PoE technology effectively solve the problem of power supplying during deployment and installation. Through one cable both the communication data and power supplying can be guaranteed.

Specification

Product Parameters	
Hardware	
CPU	750MHz high-performance enterprise-level chipset
Wireless	2.4GHz 300M 802.11b/g/n, 5.8GHz 900M 802.11a/n/ac wave 2 technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1*10/100/1000Mbps full gigabit WAN port/PoE port 1*10/100/1000Mbps full gigabit LAN port
Button	1*Reset [long press 15s to reset]
Power Consumption	<15W
Power	48V 802.3at standard 0.5A, DC 12V 1.5A
Operation	Temperature: -40℃ ~ +55℃ (working), -40℃ ~ +70℃ (storage) Humidity: 5% ~ 90% (working), 5% ~ 95% (storage)
Antenna	Built-in omni high-gain 5dBi antenna
Size	220*220*31mm
Weight	472g
Radio Frequency	
Frequency Range	ISM band: 2.412 ~ 2.472GHz 5.15 ~ 5.85GHz
Channel Distribution	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13 5.8G: 36、40、44、48、52、56、60、64、149、153、157、161、165
Modulation	OFDM=BPSK, QPSK, 16-QAM, 64-QAM DSSS=DBPSK, DQPSK, CCK
Output Power	2.4G: 11b: 29 ± 2dBm@11Mbps 11g: 28 ± 2dBm@54Mbps 11n: 27dBm ± 2dBm@MCS7 5.8G: 11a: 25 ± 2dBm@54Mbps 11n@HT20: 24 ± 2dBm@MCS7 11ac@HT80: 24 ± 2dBm@MCS9
Receive Sensitivity	2.4G: 11n: -72dbm@MCS7, -88dbm@MCS0 11g: -75dbm@54Mbps, -88dbm@6Mbps 11b: -85dbm@11Mbps, -94dbm@1Mbps 5.8G: 11a: -75dbm@54Mbps, -90dbm@6Mbps 11n@HT20: -72dbm@MCS7, -90dbm@MCS0 11ac@HT80: -62dbm@MCS, -86dbm@MCS0

Software	
Configuration Guide	Fast configuration of access mode and Wi-Fi parameters
Working Mode	Fat AP mode
Status Overview	Router: CPU and memory status, software version, system operation time and on-line user number Wi-Fi: display Wi-Fi SSID, password, protocol, bandwidth and channel On-line user: current on-line main network user number/user list
Configuration	WAN port: PPPoE/DHCP/Static IP LAN port: manage IP configuration, DHCP server
Wireless Configuration	SSID broadcast: support SSID number: 8 Encryption: WPA、WPA2、WPA3、WPA-PSK、WPA2-PSK User isolation: Wi-Fi network isolation, AP internal isolation MAC address filter: support white list VLAN configuration: support SSID and tag VLAN bind Transmit power setup: support 1dBm linear control User number limitation: support Weak signal access forbid: support Remove weak signal equipment: support Support automatic RF optimization
Firewall	Port mapping DMZ configuration MAC filter IP filter
System	WEB management System log Reset Record and import settings Firmware upgrade Reboot

Packaging List

Material	QTY
KS-AP1200	1
Power Adapter	1(EU 12V/1.5A)
QC Card	1

Relevant Useful Products

Model	Description
KS-AP1800	1800M Wi-Fi 6 New-gen Ceiling AP
KS-PS082G	10-Port Full Gigabit Smart PoE Switch
KS-4GC1200	1200M Dual-band Wireless 4G LTE Router

Note: For more information about the recommended products you can check our website or freely contact our product R&D team by E-mail: support@koskyglobal.com

Exceed Your **Expectation**



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