



KS-AP1800

1800M Wi-Fi 6 New-gen Ceiling AP

#Version 1.0 by Kosky

KS-AP1800



Introduction

KS-AP1800 is the high-performance enterprise level Wi-Fi 6 ceiling AP complying with IEEE802.11ax standard and well work in both 2.4GHz and 5GHz dual-frequency with maximum concurrent speed 1800Mbps so as to meet the wireless access demands of more terminal devices. With innovative design of multiple built-in high-gain antennas KS-AP1800 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-AP1800 is the ideal application choice for enterprise, hotel, shopping mall and other high-density Wi-Fi access environment.

Highlights

- √ Support IEEE802.11ax/Wi-Fi 6 standard with 1800Mbps concurrent speed
- √ 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
- √ Elegant and compact appearance design
- √ Simple WEB configuration and start using

Key Features

◆Dual-band 1800Mbps Wi-Fi 6 standard for better Wi-Fi experience

IEEE802.11ax standard provides more bandwidth and support dual-band concurrent of 2.4GHz 573Mbps and 5.8GHz 1201Mbps. Compared with 802.11ac standard the Wi-Fi speed increase more 50%.

◆MU-MIMO/MU-OFDMA upward/downward technology

Reduce network delay and support high-density user access

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

◆BSS coloring spatial multiplexing

Reduce network delay and support high-density user access

BSS Coloring technology makes the Wi-Fi 6 equipment of same frequency can actively adjust signal transmission policy so as to definitely reduce the wireless delay resulted by frequency interference.

◆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	Dual core four threads 880MHz
Wireless	2.4G WiFi 2*2 802.11b/g/n/ax 5.8G WiFi 2*2 802.11a/n/ac/ax 1024QAM ultra-speed access rate OFDMA ultra-density user access MU-MIMO/MU-OFDMA upward/downward BSS Color spatial multiplexing Support STBC,LDPC, Beamforming TX/RX Energy-saving: single antenna standby, dynamic MIMO power-saving, enhanced automatic power-saving transmission, data package power control and so on
Memory	256MB DDR RAM
Flash	16MB
Interface	2*10/100/1000Mbps adaptive port
Button	1*Reset [3s to restart and 3s more to reset]
Indicator	Network port status indicator
Power	48V 802.3af standard, DC 12V 1.5A optional, power consumption < 12W
Operation	Temperature: -40℃ ~ +55℃ (working), -40℃ ~ +70℃ (storage) Humidity: 5% ~ 90% (working), 5% ~ 95% (storage)
Antenna	Built-in 2*2.4G high-gain 3dBi omni antennas*2 Built-in 2*5.8G high-gain 3dBi omni antennas*2
Certificate	CE/FCC/RoHS
Radio Frequency	
Frequency Range	ISM band: 2.400GHz ~ 2.4835GHz 5.180GHz ~ 5.825GHz
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@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM

<p>Output Power</p>	<p>2.4G: 11b: 20dBm ± 1dBm@11Mbps 11g: 19dBm ± 1dBm@54Mbps 11n(HT20): 18dBm ± 1dBm@MCS7 11n(HT40): 18dBm ± 1dBm@MCS7 11ax(HESU40):15dBm ± 1dBm@MCS11 5.8G: 11a: 18dBm ± 1dBm@54Mbps 11n(VHT-40): 16.5dBm ± 1dBm@MCS9 11ac(VHT-80): 16dBm ± 1dBm@MCS9 11ax(HE-SU80):15dBm± 1dBm@MCS11</p>
<p>Receive Sensitivity</p>	<p>2.4G: 11b: ≤-90dbm@11Mbps; 11g: ≤-78dbm@ 54Mbps; 11n(HT20): ≤ -76dBm@MCS7; 11n(HT40): ≤ -72dBm@MCS7; 11ax(HESU40): ≤ -62dBm@MCS11 5.8G: 11a: ≤ -78dBm@54Mbps 11n(VHT40): ≤ -65dBm@MCS9 11ac(VHT80): ≤ -62dBm@MCS9 11ax:(HESU80): ≤ -58dBm@MCS11</p>
<p>Software</p>	
<p>Configuration Guide</p>	<p>Fast configuration of access mode and Wi-Fi parameters</p>
<p>Working Mode</p>	<p>Fat/Fit AP mode</p>
<p>Status Overview</p>	<p>Router: CPU and memory status, software version, system operation time and on-line user number Wi-Fi: display Wi-Fi SSID, psssword, protocol, bandwidth and channel On-line user: current on-line main network user number/user list</p>
<p>Configuration</p>	<p>WAN port: PPPoE/DHCP/Static IP LAN port: manage IP configuration, DHCP server</p>
<p>Wireless Configuration</p>	<p>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</p>

Firewall	Port mapping DMZ configuration MAC filter IP filter
System	System log Reset Record and import settings Firmware upgrade Reboot

Packaging List

Material	QTY
KS-AP1800	1
Power Adapter	1(EU 12V/1.5A)
QC Card	1

Relevant Useful Products

Model	Description
KS-AP1200	1200M Wi-Fi 5 Wave2 Ceiling AP
KS-PS1602G	18-Port Full Gigabit Smart PoE Switch
KS-IG200	AIO Router & Access Controller

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**



Shenzhen Kosky Technology Co., Ltd.

5th Floor, Building A, Wanhe Technology Building, No.7
Huitong Road, Fenghuang Community, Fenghuang Street,
Guangming District, Shenzhen, China.

sales@koskyglobal.com