



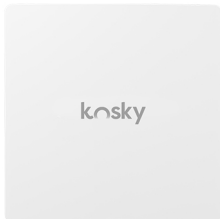
KS-AP3000W

3000M Wi-Fi 6 Wall-plate Access Point

#Version 1.0 by Kosky

KS-AP3000W

Introduction



KS-AP3000W is the advanced high-performance Wi-Fi 6 Fit wall-plate AP complying with IEEE802.11ax standard and well work in both 2.4GHz and 5GHz dual-frequency with maximum concurrent speed 3000Mbps so as to meet the wireless access demands of hospitality, hotel rooms, dormitory, apartment, villa and meeting rooms. It supports the next generation Wi-Fi 6 devices such as smart phones, IoT devices, laptop computers and etc. Compared to Wi-Fi 5 APs KS-AP3000W has much better performance of client device connections and allowing businesses to serve more customers with better speed and less congestion. KS-AP3000W has 1*Gigabit WAN and 1*Gigabit LAN self-adaptive ports with 802.3af standard PoE function upto 100 meters power supplying so as to bring the convenient cabling during the project deployment. At the same time KS-AP3000W adopts advanced technologies such as OFDMA, BSS, TWT, MU-MIMO, Dynamic CCA, VPN, IPv6, TR-069 and so on for introducing the excellent wireless coverage speed and performance together with easy operation management. Based on the design of standard 86 panel design KS-AP3000W can well fit any house wireless coverage by easy steps and no need rewiring to the original wall surface. In one word KS-AP3000W is the worthy choice for experiencing the Wi-Fi 6 speed at each room with high-quality wireless penetration and coverage.

Highlights

- √ Support 802.11ax Wi-Fi 6 technology on both 5Ghz and 2.4GHz (Backward compatible)
- √ Dual-band maximum throughput upto 3000Mbps of 5.8GHz 2402Mbps & 2.4GHz 574Mbps
- √ Comply with 802.3af 48V standard PoE remote power supplying upto 100 meters
- √ Support maximum connected clients upto 64 clients and 80 devices
- √ Adoption of OFDMA, MU-MIMO and BSS technologies greatly increase the efficiency
- √ Target Wake Time (TWT) allows more efficient power usage in Wi-Fi 6 client devices
- √ A group of dedicated and diligent technical team of 24/7 chat support for peace of mind
- √ Easy installation and deployment whenever your project solution demand

Key Features

◆Dual-band 3000Mbps Wi-Fi 6 standard for ultra-fast wireless experience

IEEE802.11ax standard provides more bandwidth and support dual-band concurrent of 2.4GHz 574Mbps and 5.8GHz 2402Mbps.

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

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 for reducing 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.

◆Plug-and-play standard 86mm panel Fit AP without configuration need

Standard 86mm type panel design with high scene adaption and just need simply remove the original AP and replace during the installation without need of rewiring to the current wall surface.

◆PoE standard technology of 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.

◆Support IPv6 for big capacity, high-efficiency and more security

IPv6 means broader IP space and make the universal connection be possible, and at the same time IPv6 improves the router's forwarding efficiency with better security.

◆TWT function brings longer battery life and more environmentally

802.11ax protocol adopts new TWT (Target Wake Time) and bring longer batter life for your mobile, laptops and other Wi-Fi devices through more efficient power usage.

Specification

Product Information	
Model	KS-AP3000W
Size	86*86*45mm
Hardware	
CPU	ARM® Cortex-A53 @1.3GHz
Wi-Fi Protocol	2.4GHz: 573Mbps 802.11b/g/n/ax 5.8GHz: 2400Mbps 802.11a/n/ac/ax
Memory	128MB DDR3
Flash	16Mbyte
Ethernet Port	1*Gigabit WAN+1*Gigabit LAN ports
Button	1*RESET (long press 3 seconds)
Indicators	Power indicator
Antenna	5* > 2dBi omnidirectional FPC antennas
Power	802.3af 48V 0.5A standard PoE power supply
RF Feature	
Frequency Range	ISM Band: 2.400GHz~2.4835GHz 5.150GHz ~ 5.850GHz
Channel Distribution	2.4GHz: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 5.8GHz: 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165
Modulation	802.11a: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
	802.11b: DSSS (DQPSK, DBPSK, CCK)
	802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
	802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
	802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)
	802.11ax: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)

Output Power	2.4GHz: 11b(CCK): 22dBm±1dBm@11Mbps 11g(OFDM): 22dBm±1dBm@6Mbps; 19dBm±1dBm@54Mbps 11n(HT40): 22dBm±1dBm@MCS0; 19dBm±1dBm@MCS7 11AC(VHT40): 22dBm±1dBm@MCS0; 19dBm±1dBm@MCS11 11AX(HE40): 22dBm±1dBm@MCS0; 17dBm±1dBm@MCS11
	5.8GHz: 11a(BW20):22dBm±1dBm@6Mbps; 19dBm±1dBm@54Mbps 11ac(VHT80):22dBm±1dBm@MCS0; 18dBm±1dBm@MCS9 11ac(VHT160):22dBm±1dBm@MCS0; 17dBm±1dBm@MCS9 11AX(HE80):22dBm±1dBm@MCS0; 17dBm±1dBm@MCS11 11AX(HE160):22dBm±1dBm@MCS0; 17dBm±1dBm@MCS11
Security	WPA-PSK/WPA2-PSK、WPA3-SAE、WPA3-SAE/WPA2-PSK2
Software	
Working Mode	Fit AP of plug-and-play
Client Capacity	64+
Network	Controller address/DHCP/Static IP
System	Reset/System Restart
Others	
Operating Temperature	-10℃ ~ 55℃
Storage Temperature	-40℃ ~ 70℃
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~95% non-condensing
Certificate	CE/FCC

Packaging List

Material	QTY
KS-AP3000W	1
QIG	1

Relevant Useful Products

Model	Description
KS-IG200	AIO Router & Access Controller
KS-PS082G	10-Port Full Gigabit Smart PoE Switch 8-Port PoE+2-Port Uplink
KS-TES4804	52-Port 10G Uplink Full Gigabit L3 Managed Ethernet Switch 48-Port Gigabit+4-10G SFP Uplink+1-Console+1-USB

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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