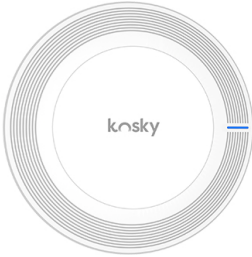# kosky

Exceed Your Expectation

KS-AP3000
3000M Wi-Fi 6 New-gen Ceiling AP

#Version 1.0 by Kosky

KS-AP3000

Introduction

KS-AP3000 is the high-performance enterprise level Wi-Fi 6 Fit ceiling 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 small and medium sized businesses. 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-AP3000 has much better performacne of providing 4 times client device connections and allowing businesses to serve more customers with better speed and less congestion. KS-AP3000 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-AP3000 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. In one word KS-AP3000 is the reliable choice for small and medibum business and bring the higher speed, greater coverage and higher density wireless experience.

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 2400Mbps & 2.4GHz 600Mbps

√ Comply with 802.3af 48V standard PoE remote power supplying upto 100 meters

√ Support maximum connected clients upto 256 clients and 150 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 600Mbps and 5.8GHz 2400Mbps.

✦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 Fit AP without configuration need

Together with gateway or AC controller to fulfill the wilreless network coverage and deployment with supports of unified management, network analysis, multi-WAN load, UPnP, DDNS, IPT-V/VLAN, VPN and so on.

✦PoE standard technology of one cable transmitting data and power with convenience and safety

Bluetooth 5.2 brings much better experience for coordination with your game controller, keyboards, headphones and other devices.

✦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 forarding 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-AP3000
Size	Φ175*31.8mm
Hardware	
CPU	Dual-core A53@1.3GHz
Wi-Fi Protocol	2.4GHz: 573Mbps 802.11b/g/n/ax 5.8GHz: 2400Mbps 802.11a/n/ac/ax
Memory	256MB DDR3 RAM
Flash	16Mbyte
Ethernet Port	1*Gigabit WAN+1*Gigabit LAN ports
Button	1*RESET (long press 3 seconds)
Indicators	Connected: Green Disconnected: Blue Connected without network: Red
Antenna	5*＞5dBi Module Antennas
Power	802.3af 48V 0.5A standard PoE power supply DC12V 1A
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	128+
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-AP3000	1
Ethernet Cable	1
QIG	1

Relevant Useful Products

Model	Description
KS-LAN OMS	Multi-business Operation & Management System
KS-PI600	60W Gigabit PoE Injector
KS-PS2444GMC	32-Port Full Gigabit Managed PoE Switch 24-Port PoE+4-Combo+1-Console

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

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