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Exceed Your Expectation

KS-CPE900
900M Wi-Fi 5 Outdoor 5GHz CPE

#Version 1.0 by Kosky

KS-CPE900

Introduction

KS-CPE900 is the high-performance enterprise level Wi-Fi 5 outdoor CPE complying with IEEE802.11ac standard and well work in 5GHz wireless frequency with maximum speed 900Mbps by supporting P2P and P2MP long-distance wireless transmission. With innovative digitron paring technology KS-CPE900 fulfills the ultra-easy configuration so as to save the deployment cost and increase the usability. With build-in multiple wide-angle dual-polarized high-gain antennas the wireless signals will be more concentrated and bring high effective bandwidth. Together with the IP65 protection design of wind-proof, rain-proof and dust-proof as well as fashion surface design and easy-to-install KS-CPE900 is the ideal application choice for elevator, office, scenic areas, dock and other long-distance Wi-Fi access environment.

Highlights

√ Support IEEE802.11ac/Wi-Fi 5 standard with 900Mbps speed at 5GHz

√ Build-in multiple wide-angle dual-polarized high-gain antennas

√ Gigabit RJ45 port for better LAN speed

√ Innovative digitron paring technology of ultra-easy configuration

√ Support both sPoE and DC power supply

√ IP65 protection level to defeat rigorous application environment

√ Easy-installation and support distributed multipoints deployment

Key Features

✦5GHz 900Mbps speed for better Wi-Fi performance

Compared with 2.4GHz the 5GHz is cleaner with less interference so as to extremely improve long-distance video and data transmission quality.

✦Innovative digitron intelligent paring technology

Ultra-easy configuration and starting

In order to make easy configuration for customer KOSKY develops the innovative digitron intelligent paring technology, which achieves 2-to-more CPEs wireless connection by simple hardware operation and well save the site deployment cost.

✦Optional sPoE-Simple PoE and DC power supplying

Flexible application according to the demand

For scale distributed deployment sPoE function can obtain power from central room for simple centralized control, and for small network the DC power supply is more flexible.

✦IP65 protection level

Effective water-proof and dust-proof for longer product life

Adoptive of IP65 protection design make sure the product well continuously work without drop and guarantee the data safe and reliability.

Specification

Product Parameters	
Hardware	
CPU	580MHz MIPS® 24KEc™ central processor
Wireless	5G:900M 802.11a/n/ac MIMO technology
Memory	64MB DDR RAM
Flash	8MB
Interface	WAN: 1*10/100/1000Mbps self-adaptive RJ45 port LAN: 1*10/100Mbps self-adaptive RJ45 port
Button	1*Digital switch/reset button [short press nixie tube display the value +1 and long press 15s to reset]
Indicator	Signal, LAN1/LAN2 connection status, power and digitron
Power Consumption	＜10W
Power	24V 1A sPoE, DC 12V 1A
Operation	Temperature：-40℃ ～ +55℃（working）,-40℃ ～ +70℃（storage） Humidity：5％～ 90％（working）,5％～ 95％（storage）
Antenna	Build-in high-gain 14dBi directional plate antenna
Transmission Distance	3-5KM
Size	260*90*37mm
Radio Frequency	
Frequency Range	ISM band: 4.9 ~ 5.85GHz
Channel Distribution	5G：36、40、44、48、52、56、60、64、149、153、157、161
Modulation	OFDM=BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM DSSS=DBPSK, DQPSK, CCK
Output Power	11a @54M:20±2dB,　@6M:23±2Db 11n 20MHz：@MCS7:23±2dB,　@MCS0:23±2dB 11n 40MHz：@MCS7:20±2dB,　@MCS0:23±2dB 11ac 40MHz @MCS9:20±2dB,　@MCS0:23±2dB 11ac 80MHz @MCS9:20±2dB,　@MCS0:23±2dB
Receive Sensitivity	11a: -65dbm@54Mbps, -81dbm@6Mbps 11n 20MHz: -64dbm@MCS7, -82dbm@MCS0 11ac 40MHz：-61dbm@MCS7, -79dbm@MCS0 11ac 80MHz: -58dBm@MCS7, -76dBm@MCS0

Software	
Working Mode	Master AP, slave AP (dial conversion)
Networking Mode	P2P, P2MP(within 8 points)
Management	WEB remote management
Network	Bridge: static IP/dynamic obtain Gateway: static IP/dynamic obtain/PPPoE
Wireless Management	Bridge configuration/advanced configuration/Wi-Fi configuration
System	Zone and time configuration Login password change Record/recovery Restart/timing restart
Upgrade	Local upgrade based on WEB

Packaging List

Material	QTY
KS-CPE900	1
sPoE power	1(EU 12V/1.5A)
Hold ring	1
Cable	1

Relevant Useful Products

Model	Description
KS-IG200	AIO Router & Access Controller
KS-AP1800	1800M Wi-Fi 6 New-gen Ceiling AP
KS-ES2400G	24-Port Full Gigabit Smart Switch

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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