Overview

The new generation series 802.11ax wireless access point RS-WAP-726-I independently developed by Rubisec is an outdoor wireless access device (AP) that supports the latest 802.11ax technical standard. The product complies with the IEEE 802.11a/b/g/n/ac/ax standard, adopts a hardware-independent dual-frequency design, four spatial streams, and the whole machine can provide up to 1.8 Gbps access rate.

RS-WAP-726-I is outdoor pole mounted design for outdoor wireless coverage. It is suitable for large outdoor wide area coverage in financial park square, outside office building, smart city, etc. It comprehensively meets the deployment requirements of customers' outdoor scenes.

RS-WAP-726-I Inbuilt directional antennas, dual frequency, dual mode, 1.8Gbps, 2:2 MIMO, PoE power input, IP68, 1*1000M Combo Port (PoE), 1*1000M LAN Port.

Highlight Features

- 802.11ax MU-MIMO Technology Supported
- 802.11k/v and seamless Layer2/3 Roaming Supported
- Self-Provisioning Networking Supported
- Rich Security Features for Wireless Network
- 1*1000M Combo Ports + 1*1000M PoE Out Interface
- Outdoor Pole Mounted Installation Design

Models	RS-WAP-726-I
Hardware Specification	
Service Port	1*10/100/1000M Base-T adaptive Ethernet Combo Port, 802.3at PoE (LAN1) 1*1000M Base-X SFP Fiber Combo Port 1*10/100/1000M Base-T adaptive Ethernet Port, 6.5W PoE Out (LAN2)
Indicators	1*Multi-Color LED (For System and Radio status)
Other Port	1*Rest Button (Factory reset; WPS) 1*RJ45 Console Port
Working Temperature	-30 °C to +55 °C
Working Humidity	0% to 100% non-condensing
Storage Temperature	-50 °C to +85 °C
Storage Humidity	0% to 100% non-condensing
IP Rating	IP68
Weight	1.9 kg
Dimension (W*D*H) mm	275mm*230mm*80mm
Installation Mode	Pole Mounting
Power Supply	PoE: IEEE 802.3af/802.3at-compliant (compatible).
Power Consumption	<25W
RF Design	Dual-radio design, one 2.4 GHz radio and one 5 GHz radio - Radio1: 2.4 GHz, 2 streams: 2*2 - Radio2: 5 GHz, 2 streams: 2*2
Operating Bands (Country-specific restrictions apply)	- Radio1: 2.400 to 2.4835GHz - Radio2: 5.150–5.350GHz, 5.47–5.725GHz, 5.725–5.850GHz
Transmission Rate	- 802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps - 802.11a/g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps - 802.11n: 6.5Mbps-300Mbps (MCS0-MCS31, HT20-HT40), 400Mbps with 256-QAM - 802.11ac: 6.5Mbps-866Mbps (MCS0-MCS9, NSS=1-2, VHT20-VHT80) - 802.11ax (2.4GHz): 8.6Mbps-574Mbps (MCS0-MCS11, NSS=1-2, HE20-HE40) - 802.11ax (5GHz): 8.6Mbps-1,202Mbps (MCS0-MCS11, NSS = 1-2, HE20-HE80)
Antenna	Built-in Directional Antennas
Antenna Gain	2.4 GHz: 10 dBi 5 GHz: 10 dBi Directional Antenna
Maximum Transmit Power	2.4 GHz: +27 dBm 5 GHz: +27 dBm The actual transmit power complies with the regulatory requirements for radio frequencyemissions in various countries and regions
Transmit Power Adjustment	1 dBm

Modulation Mode	- 802.11b: BPSK, QPSK, CCK - 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM - 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM - 802.11ax: WBPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
Modulation and Encoding	- Low Density Parity Check (LDPC) - Maximum Likelihood Detection (MLD) - Beamforming
Advanced RF Features	- Channel Rate Adjustment, include TPC (Transmit Power Control) - ACS (Automatic Channel Scanning)
WIFI Standards	- IEEE 802/11a/b/g/n/ac/ax
SSID Numbers	8*SSIDs
Channelization	20, 40, 80 MHz
Recommend Users	64~125
Working Mode	Fit/Fat Mode
Security Type	Open, PSK, WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2-Enterprise, WPA3 Personal, WPA3-Enterprise, Portal, 802.1X, Radius
Working Bandwidth	- 802.11ax: HE80, HE40, HE20 - 802.11ac: VHT80, VHT40, VHT20 - 802.11n: HT40, HT20
Date Rate	- Radio1: 2.4 GHz, 574 Mbps - Radio2: 5 GHz, 1201Mbps - Combined: 1.8 Gbps
MIMO Technologies	- Multi-User Multiple Input Multiple W - Space-Time Block Coding (STBC) - Cyclic Delay/Cyclic Shift Diversity (CDD/CSD) - Dynamic MIMO power saving
Energy Saving	- U-APSD - SM Power Save - Green AP mode
Advanced WIFI Features	- Orthogonal Frequency Division Multiple Access (OFDMA) - Short GI (Short Guard Interval) - DFS (Dynamic Frequency Selection) - Spectrum Navigation

Model	Description
Order Information	
RS-WAP-726-I	RS-WAP-726-I, Outdoor pole mount Wi-Fi6 802.11a/b/g/n/ac/ax, Dual frequency, dual mode, forwarding performance of the whole device 1.8Gbps, 2:2 MIMO, PoE power input, inbuilt directional antennas, IP68, 1*1000M Combo Port (PoE), 1*1000M LAN Port. (installation accessory included)

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