

SWM3530

Outdoor Access Point



OVERVIEW

The SWM3530 is engineered with dual-band concurrent architecture which offers the bandwidth up to 1300Mbps on the 5GHz band and 450Mbps on the 2.4GHz band. With the IP55-rated waterproof enclosure and the flexible mounting capability, the product is able to be applied under challenging environments.

Creating for nowadays networking demands, Siselectron has developed the multiple functions for great coverage, stable performance and easy-to-maintain management tools to ensure the best users' experience for IT manager, MIS administrators and etc. SWM3530 provides wide-range of authentication and encryption standards that including WEP, WPA, WPA2, TKIP/AES and IEEE 802.1X to enforce the security robustness, as well as to manage it via https with SSL encryption or SSH encryption.

BENEFITS

Each radio of the SWM3530 is built the higher strength and sensitivity; the specification will assist to reduce dead in your deployed WLAN and boost received signal quality on both ends of AP and wireless client devices.

SWM3530 offers multiple SSIDs (up to 16 sets) and each SSID can be configured its bandwidth and WLAN security settings, enabling various applications running over WLAN with different levels of security strength and bandwidth limit. SWM3530 also provides the advanced wireless features including the fast roaming and band steering for achieving seamless connection and intelligent connection to optimize the signal quality.

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Wireless Radio Specification

- Dual Radio:
 - 5GHz: 802.11a/n/ac and 2.4 GHz 802.11b/g/n
 - 2.4GHz: Max 450Mbps
 - 5GHz: Max 1300 Mbps
 - Dual concurrent radio support
- Transmit Power [maximum Value]:
 - 2.4GHz:Max 29dBm.
 - 5GHz: Max 29dBm
 - Maximum transmit power is limited by regulatory power.
- Supported Radio Technology:
 - 802.11b: direct-sequence spread-spectrum (DSSS).
 - 802.11a/g/n/ac: orthogonal frequency division multiplexing (OFDM).
- Multiplexing (OFDM):
 - 802.11n/ac: 3x3 MIMO with 3 streams
 - 802.11ac with 20/40 MHz channel width
 - 802.11a/b/g with 20 MHz channel width
- Supported Modulation Types:
 - 802.11b: BPSK, QPSK, CCK
 - 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM.
 - 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM.
- Supported data rates (Mbps):
 - 802.11b: 1, 2, 5.5, 11
 - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54
 - 802.11n: 6.5 to 450 (MCS0 to MCS23)
 - 802.11n: 6.5 to 1,300 (MCS0 to MCS9, NSS= 1 to 3)

Antennas:

- Six Detachable high gain antennas:
- Three detachable 5dBi 2.4 GHz antennas
- Three detachable 7dBi 5GHz antennas
- Omni-Directional Type:
 - Provide the optimal coverage
- Complaint with N type connector Interface
- Two 10/100/1000 BASE-T Ethernet Port:
 - One Port (LAN1) supports 802.3af/at POE Input

- One port (LAN 2) supports 802.3af PSE output
- LAN2 can provide the power when using 802.3 at POE input instead of proprietary input

Power

- Power Source:
 - 802.3af/at compliant source
 - Active Ethernet (Power over Ethernet, PoE)
- Power Consumption:
 - Maximum 37W

Operation Mode

- Mesh/Access Point/WDS:
 - A variety of operation modes to serve multiple constituencies and applications.

Easy to management

- Auto Channel Selection
 - Setting varies by Regulatory Domains
- SSIDs:
 - BSSID support
 - 16 SSIDs support
 - Support 8 SSIDs on both 2.4GHz and 5GHz bands

Mechanical & Environment

- Dimensions / Weight:
 - 285mm (L) x 218mm (W) x 55.5mm (H)
 - 1890g (Unit, without mounting kit and antennas)
- Operating:
 - Temperature: -20°C~70°C
 - Humidity: 0% ~ 90% typical
- Storage:
 - Temperature: -30°C~80°C
- Surge Protection: 20KV (Certificated standard is 8KV)
- ESD Protection: 6KV (Certificated standard is 1KV)
- Harsh Environment Use:
 - IP68 rated

Management

- Auto Channel Selection
 - Setting varies by Regulatory Domains
- SSIDs:
 - BSSID support
 - 16 SSIDs support
 - Support 8 SSIDs on both 2.4GHz and 5GHz bands
- VLAN Tag:
 - Independent VLAN setting can be enable or disable
 - Any packet that enters the Device without a VLAN tag will have a VLAN tag inserted with a PVID (Ethernet Port VID).
- VLAN Pass-through:
 - VLAN pass through over WDS bridge
- SNMP & MIB:
 - v1/v2c/v3 support
 - MIB I/II, Private MIB
- Save Configuration as Default:
 - Saves the customized configuration as default value for different customer demands.
- Clients Traffic Status:
 - Report the various main information timely which is required by administrator.
- Guest Network:
 - Allows the administrator to manage easily grant "visitor" access within the network.
- E-mail Alert:
 - Provides a network monitoring tool for administrators to stay informed the configuration change.
- QoS:
 - Complaint with IEEE 802.11e standard
- RADIUS Accounting:
 - Help operators to offload 3G to the wi-fi seamlessly