Siselectron
TECHNOLOGY

SWE2220
Indoor Access Point

OVERVIEW

The SWE2220 is a Ceiling Mount AC1200 Dual Band Wireless Indoor APs that enable a cost effective and reliable way to quickly setup a new network or expand a company's network user capacity and extend it throughout a building. Each SWE2220 Access Point can be easily accessed through any standard web browser and can be easily and quickly configured and administered without special training.

The SWE2220 leverages the breakthrough speed and performance 802.11ac for connecting to laptops and other devices that need to wirelessly stream HD video or transfer large files. This high-powered 802.11ac 2x2 ceiling mount Dual Band Access Point features speeds up to 300 Mbps on 2.4 GHz, and up to 866 Mbps on the 5 GHz band when associated with AC client devices. It can be configured as an Access Point, Client Bridge, or WDS (AP & Bridge) and features a high transmit RF power of 26 dBm transmit RF power on both 2.4 and 5 GHz frequency bands for long range connectivity.

BENEFITS

-Expanded User Capacity with Dual Band
Supports both 2.4 GHz and 5 GHz frequency bands for expanded user capacity with a greater number of channel availability on the 5 GHz frequency to support higher bandwidth applications like HD video streaming.

-Instantly Expand a Network
Perfect for startups wishing to setup a network or larger enterprises looking to expand an existing network.

-Enhanced Wireless Security
Supports industry wireless encryption standards such as Wi-Fi Pro tected Access (WPA/WPA2 Enterprise/PSK), 802.1X with RADIUS and MAC Address Filtering for a more secure network.

-Flexible Deployment Modes
Choose one of two modes available depending on user needs: Access Point or WDS (AP or Bridge).

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Wireless Radio Specification

- Dual Current Radio:
  - 2.4GHz: 802.11b/g/n with max data rate up to 300Mbps.
  - 5GHz: 802.11 a/n/ac with max data rate up to 867Mbps.
- Transmit Power [maximum Value):
  - 2.4GHz:Max 26dBm.
  - 5GHz: Max 26dBm
  - Maximum transmit power is limited by regulatory power.
- Radio Chains/Spatial Streams: 2 x 2 : 2
- Supported Radio Technology:
  - 802.11b: direct-sequence spread-spectrum (DSSS).
  - 802.11a/g/n/ac: orthogonal frequency division multiplexing (OFDM).
- Channelization
  - 802.11ac with 20/40/80 MHz channel width
  - 802.11n with 20/40 MHz channel width
  - 802.11a/b/g with 20 MHz channel width
- Supported Modulation:
  - 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 300 (MCSO to MCS15]
  - 802.11n: 6.5 to 867 (MCSO to MCS9, NSS= 1~2]

Physical Characteristics

- Power Source:
  - DC Input: 12 VDC /1A
  - PoE: compatible with 802.3at
- Internal High Gain Antennas
  - 2 x 5dBi 2.4GHz antennas
  - 2 x 5dBi 5GHz antennas
- Interface
  - 1 x10/100/1000 BASE-T Ethernet (RJ45) with 802.3at PoE
  - 1 x DC power connector
  - 1 x reset button
- Dimensions / Weight
  - 161.5 x 41.5mm (Diameter x Height)
  - 290g
- Environment
  - Operating temperature: O'C~40°C
  - Operating humidity: O% 90% typical
  - Storage temperature: -20T-60°C
- Mounting
  - Ceiling mount or wall mount
- Physical Security
  - Kensington security slot

Wireless

- Operating Modes
  - AP / WDS
- Auto Channel Selection
  - Setting varies by regulatory domains
- SSIDs:
  - Supports up to 8 SSIDs per frecuancy band
- VLAN Tag / VLAN Pass-through
- Wireless Client List
- Guest Network
  - Allocates a separate network segment for guest access within the same WLAN.
- QoS: Supports 802.11e/WMM/Traffic Shaping
- Band Steering
  - Moves 5GHz-compatible clients to 5GHz band to ease traffic congestion on 2.4GHz band.
- Mobility: PMKSA support for fast roaming
- Security
  - WEP encryption: 64/128/152-bit
  - WPA/WPA2 Enterprise/PSK
  - Hidden SSID
  - MAC address filtering (up to 50 MAC)
  - Station separation

Management

- Configuration
  - Web interface (HTTP/S)
  - SNMP vl/v2c/v3 with MIB I/II and private MIB
  - CLI (Telnet/SSH)
- Firmware Upgrade
  - Web interface or CLI
- Backup / Restore Settings
  - Revert to factory default settings
- Save configuration as defult
  - Saves the customized configuration as default
- Auto Reboot
  - Especifies interval to reboot system periodically
- E-mail alert / Syslog Notification
  - Provides a Network monitoring tool for adminitrators to stay informed upon configuration change or network errors.

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