WAP5110-E
802.11a/b/g/n Indoor Dual Band Wireless Access Point

Product Overview
The SMCWAP5110-E is an indoor 802.11a/b/g/n dual-band, dual-radio enterprise AP with a 2x2 MIMO antenna configuration. Through its Gigabit Ethernet port supports wire speed (non-block), the 802.11n dual-band wireless AP can connect to the backbone network. The SMCWAP5110-E supports 802.3af PoE, which enables the AP to be powered remotely by a PoE switch. An AC power adapter option is also included for locations where PoE is not available.

Key Features and Benefits

Wireless 802.11n Technology
A new 802.11n (MIMO Multi Input Multi Output) Wireless technology, it support 2 x RF transmitting and 2x RF receiving to extend and increase 3~9 times bandwidth and throughput than existing Wi-Fi accessing. It also operates the Spatial Multiplexing to combine the RF signal.

Dual Band Access Point
Easy on your budget, simple to install and use dynamic rate shifting automatically matches the best connection speed, and WLAN Network connection keeps users connected to the network, even while roaming.

Advanced Traffic Management
Supports up to sixteen Virtual Access Point (VAP) interfaces per radio, which allow traffic to be separated for different user groups within the same AP service area. Each radio can support up to 100 wireless clients, shared with all VAP, whereby the clients associate with each VAP in the same way as they would with physically separate access points. This means that each VAP can be configured with its own Service Set Identification (SSID), security settings, VLAN assignments, and other parameters, allowing the AP to serve a diverse range of client needs in an area from a single unit.

Full Management Capabilities
WAP5110-E supports Simple Network Management Protocol (SNMP v1/v2/v2c/v3) MIB II and I support. Power over Ethernet is supported with stuffing option PoE circuit. IEEE 802.1x authentication protocol supports Extensible Authentication Protocol (EAP) MD5, Transport Layer Security (TLS), Protected EAP (PEAP), Tunneled TLS (TTLS), EAP-SIM and EAP-AKA.
### Features

#### Physical Ports
- 1-port 10/100/1000 BASE-T Gigabit Ethernet (RJ-45) port with power over Ethernet (PoE) support with 802.3af compliant
- 1 Console port with RJ-45 connector
- 2 LEDs: Power/Diag, WLAN1/WLAN2/LAN
- 2 x SMA-type external antenna connectors for 2.4G radio
- 2 SMA-type external antenna connectors for 5G radio
- DC Power jack to AC/DC adaptor

#### Standards
- IEEE 802.11n 2.4GHz and 5.0GHz
- IEEE 802.11a 5.0GHz
- IEEE 802.11b/g, 2.4GHz
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.11h Regulatory Domain Selection
- Wi-Fi Multimedia (WMM)
- Wireless Distribution System (WDS)

#### Wireless Frequency
- 802.11g/n: 2.4 ~ 2.4835 GHz (US, Canada)  2.4 ~ 2.4835 GHz (ETSI, Japan)
- 802.11b: 2.4 ~ 2.4835 GHz (US, Canada)  2.4 ~ 2.497 GHz (Japan)
- 802.11a/n: 5.15 ~ 5.25 GHz (lower band) US/Canada, Europe, Japan  5.25 ~ 5.35 GHz (middle band) US/Canada, Europe, Japan  5.725 ~ 5.825 GHz (upper band) US/Canada  5.50 ~ 5.70 GHz Europe

#### Wireless Features
- Operating Mode : AP / WDS Bridge / WDS Client
- Auto Channel Selection
- Transmit Power Adjustment
- Up to 16 SSIDs and VAP (Virtual Access Point) support
- Support IEEE802.11h DFS/DFS2 and automatic TPC

#### Security
- WEP 64-/128-bits
- Wi-Fi Protected Access (WPA/WPA2)
- WPA/WPA2(PSK) over WDS
- Secure SSS (Secure Sockets Shell) Telnet
- Secure Sockets Layer (SSL) remote management login
- HTTPS
- Access Control List
- RADIUS Authentication
- EAP-MD5 / EAP-TLS / EAP-TTLS/ PEAP/EAP-SIM and EAP-AKA
- SSID Broadcast Disable

#### Regulatory Compliance
- CB
- NCC

#### Radio Signal Certification
- NCC (Taiwan)

#### Mechanical
- Dimension : 20.1 x 14.05 x 2.75 cm
- Weight : 750g

#### Power
- PoE Power Input : 802.3af compliant
- Power Consumption : 10.56W maximum

#### Environmental Specification
- Temperature: Standard Operating: 0°C to 45°C (32°F to 113°F) Storage: -20°C to 70°C (-4°F to 158°F)
- Humidity: 5% to 95% (Non-condensing)

#### Warranty
- Please check www.smc.com for the warranty terms in your country/region.

### Network Management
- Industrial CLI (Command Line Interface)
- Web Based Management
- Software Download and Upgrade by TFTP/FTP
- Configuration file backup and restore by TFTP/FTP
- SNMP management v1/v2/v2c/v3
- System Information – AP Status / Station Status / Event logs
- Dual Image
- SNTP
- Country Selection

### Antenna
- Type : Dipole type
- Gain : 2 x 5dBi @ 2.4GHz  2 x 5dBi @ 5GHz

### Regulatory Compliances

### Contact

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