

# SMCE21011

## 802.11n Dual Band Wireless Access Point

### Product Overview

The EliteConnect™ SMCE21011 802.11n Wireless Enterprise AP which can meet 802.11n draft 2.0 or later standards and solve 802.11h DFS2 issues, The SMCE21011 Access Point platform provide single radio 2.4GHz/5GHz dual band that can improves the transmission data rate and wireless converges. It can provide a best wireless access and stable environment, and high bandwidth wireless access. The SMCE21011 is designed specifically for large or enterprise corporations to provide flexibility and secure dual band wireless LAN options in either 2.4 GHz or 5.0 GHz radio bands.



### Key Features and Benefits

#### Wireless 802.11n Technology

A new 802.11n (MIMO Multi Input Multi Output) Wireless technology, It support 3 x RF input and 3x RF output 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 single.

#### Full Management Capabilities

SMCE21011 supports Simple Network Management Protocol (SNMP 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) and Tunneled TLS (TTLS).

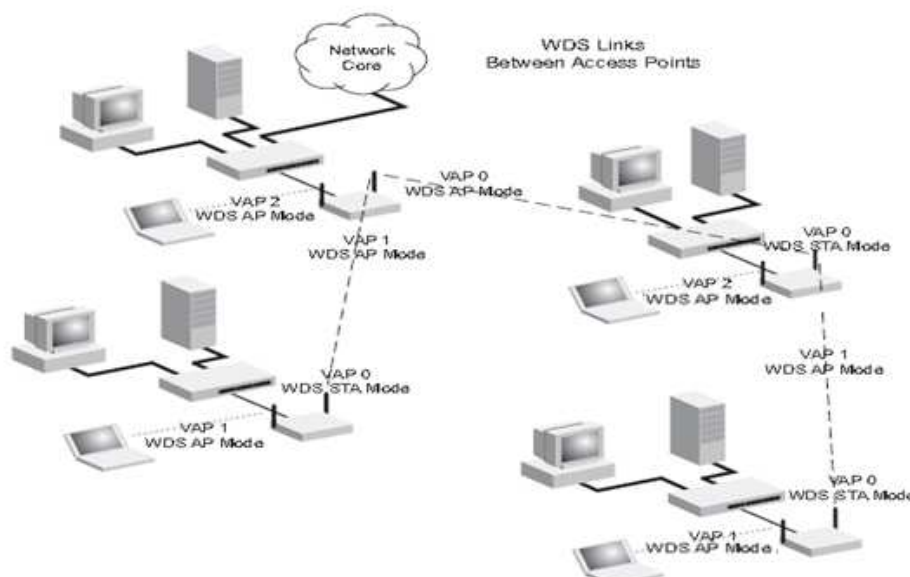
#### Dual Band Access Point

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. Support optional three detachable dual band antennas for radio frequency 2.4GHz and 5GHz system.

#### Advanced Traffic Management

Supports up to eight Virtual Access Point (VAP) interfaces, which allow traffic to be separated for different user groups within the same AP service area. Each VAP can support up to 64 wireless clients, 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.

### Application Diagram



## Features

### Physical Ports

- One 10/100/1000 BASE-T Gigabit Ethernet (RJ-45) port with IEEE 802.3af of Power over Ethernet (PoE) support
- One Console port with RJ-45 connector
- Three RSMA antenna connectors
- Four LEDs : POWER and DIAG/FAIL (System diagnostic), LAN (Ethernet Link/Activity), WLAN (Wireless Link/Activity)
- Reset button
- DC-in jacket

### Standards

- IEEE 802.11n draft 2.0 2.4GHz and 5.0GHz
- IEEE 802.11a 5.0GHz
- IEEE 802.11b/g, 2.4GHz
- IEEE 802.3, IEEE802.3u, IEEE 802.3ab
- 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 ~ 2.4835 GHz (ETSI)
  - 2.4 ~ 2.497 GHz (Japan)
- 802.11a:
  - 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
  - 4.92 ~ 4.98 GHz Japan
  - 5.04 ~ 5.08 GHz Japan

### Wireless Features

- Operating Mode : AP / WDS Bridge / WDS Client
- Auto Channel Selection
- Transmit Power Adjustment
- Up to 8 SSIDs and VAP (Virtual Access Point) support
- Support IEEE802.11h DFS/DFS2/DFS3 and automatic TPC

### Security

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

### Network Management

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

### Antenna

- Type : Omni Direction
- Gain : 3dBi in 2.4GHz, 5dBi in 5GHz

### Regulatory Compliance

- FCC Part15 Subpart B
- CE
- C-Tick

### Radio Signal Certification

- FCC Part 15C 15.247, 15.207 (2.4GHz)
- EN 300 328
- EN 301 489-1
- EN 301 489-17
- NCC (Taiwan)
- CCC (China)
- IC

### Mechanical

- Dimension : 18.8 x 15 x 2.2 cm (7.40 x 5.90 x 0.87 in)
- Weight 2.65 lbs (1.2 kg)

### Power

- Input : 100 or 240 VAC, 50-60 Hz
- Output : 48 V/0.38 A
- Power Consumption : 10.56 W maximum

### Environmental Specification

- Temperature:
  - 0 to 40 Degrees (Standard Operating)
  - 20 to 70 Degrees (Storage)
- Humidity: 15% to 95% (Non-condensing)

### Warranty

- Please check [www.smc.com](http://www.smc.com) for the warranty terms in your country/region.

## Contact

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