Wireless Networking Solutions

WIRELESS ACCESS POINT/BRIDGE

EliteConnect™ 5 GHz 108Mbps Outdoor Bridge with built-in 2.4GHz 54Mbps Access Point

Point to Point and Point to Multi-Point Enterprise Wireless AP/Bridge

<table>
<thead>
<tr>
<th>MODEL CODE</th>
<th>TYPE</th>
</tr>
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<tbody>
<tr>
<td>SMC2888W-M</td>
<td>Master unit</td>
</tr>
<tr>
<td>SMC2888W-S</td>
<td>Slave unit</td>
</tr>
<tr>
<td>SMCANT-00M10</td>
<td>10dBi 5GHz High Gain Omni Antenna</td>
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<tr>
<td>SMCANT-SEC17</td>
<td>17dBi 5GHz 120deg Sector Antenna</td>
</tr>
<tr>
<td>SMCMGRAM</td>
<td>RSSI Meter for aligning AP's</td>
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</tbody>
</table>

Features

- Fully Weatherproof Design - Resistant to Water, Lightning, Earthquakes, and Other Ravages of the Climate
- Provides point to point and point to multi-point connection. For Point to Point two SMC2888W-S slave units are required. For point to multi-point connection, SMC2888W-S slave bridge needs to have SMC2888W-M as a master bridge
- Also supports 802.11b/g wireless connection for outdoor users
- Comes with 17dBi flat panel antenna (SMC2888W-S only) for 802.11a or 802.11b/g backbone connection and a 10dB omni-directional antenna for outdoor wireless user connection
- Built-in lightning protector
- Power-over-Ethernet support (IEEE 802.3af)
- 3 Year Warranty

Security

- 802.1x Authentication Access Control with Key Rotation
- 802.1x mutual Authentication Access Control between two bridged APs
- WEP security – 64/128/152 bit
- Local MAC address filtering
- Radius Client support
- Access Control List (ACL)
- WPA and AES
- 802.1x port-based authentication protocol support with Extensible Authentication Protocol (EAP) MD5, Transport Layer Security (TLS), Protected EAP (PEAP) and Tunneled TLS (TLS) for AP function
- Close system
- SSL/SSH

Management

- QoS
- VLAN support up to 64 group
- Web Interface
- Telnet, CLI
- SNMP v1/v3 Management
- Dual firmware images
- Event Logging
- Syslog RFC 3164
- Supports DHCP client for IP address assignment
- Configuration file upload/download
- System Watchdog
- Supports 802.1D Spanning Tree protocol

Ports

- 1-Port 10BASE-T/100BASE-TX (FL-45)

Electrical

- Radio: Complies with IEEE 802.11a/b/g
- Modulation Type
  - IEEE 802.11a – BPSK, QPSK, 16-QAM, 64-QAM
  - IEEE 802.11b/g – OQPSK, QPSK, OFDM
- Data Rates
  - IEEE 802.11a – 6/9/12/18/24/36/48/54 Mbps (+Turbo mode)
  - IEEE 802.11b/g – 1/2/5.5/11 (11b) Mbps
  - 6/9/12/18/24/36/48/54 Mbps (11g)

Environmental

- Operating Temperature: ETS 300 019-2-4 Class 4.1E modified -33°C to 55°C. Vibration class 4M3 ETS 300 019-2-4 Class 4.1E modified -33°C to 55°C Vibration class 4M3
- Transportation Environment: ETS 300 019-2-2 Class 2.3 Public Transportation
- Storage Environment Shock: IEC 68-2-29
- Drop: IEC 68-2-32
- Wind (Operational): 90 MPH
- Wind (Survival): 125 MPH

Size (L x W x H)

- 19.8 x 19.8 x 6.3cm