The EZ Connect™ Turbo 11/22 Mbps Auto-Sensing Wireless Access Point (SMC2455W) is the next evolution in 2.4GHz wireless communication. Designed for both business and home users, this new Access Point provides the speed, coverage, and security expected by today's wireless users. By using a built-in Web-based interface or Windows Utility program, you can configure and manage the new EZ Connect Turbo 2.4GHz 11/22 Mbps Auto-Sensing Wireless Access Point to easily integrate a new wireless connection into a wired network or extend the coverage of an existing wireless network.

Using an advanced chipset developed by Texas Instruments, the EZ Connect Turbo Wireless Access Point doubles the standard 802.11b wireless communication to 22 Megabits per second (Mbps). To improve on this performance, the EZ Connect Turbo Wireless Access Point supports a Packet Binary Convolutional Coding (PBCC™) modulation feature to offer the fastest wireless speeds available in the 2.4GHz spectrum and remain compatible with existing 802.11b networks. This new technology also improves the overall efficiency of standard 11Mbps communication by 30% - which means that at the standard 11Mbps speed a wireless connection will reach farther and faster.

The EZ Connect™ Turbo Wireless Access Point provides coverage up to 1,155 feet and offers an auto-fallback feature that provides connectivity at 22, 11, 5.5, 2, and 1 Mbps. This compact, high performance product supports up to 253 Wireless users and provides a high level of security by supporting 64/128/256-bit WEP encryption. For added network security, the EZ Connect Turbo Wireless Access Point also supports MAC address filtering. The EZ Connect Turbo Wireless Access Point is fully compliant with the IEEE 802.11b standard and is 100% interoperable with all 802.11b-based wireless products. Combine all of these features with Plug-n-Play™ support and you have the perfect Wireless Access Point to seamlessly integrate into a new or existing wireless network.
## SMC2455W

**Standards**
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

**Data Rate**
- Up to 22Mbps with Auto Fallback to 11/5.5/2/1 Mbps

**Operating Range**
- Up to 1,155 feet

**Interface**
- RJ-45 – 10/100 Mbps
- Power Jack – 2.5mm

**Network Configuration**
- Infrastructure

**Configuration and Management**
- Web and Windows-based

**Radio Signal Type**
- Direct Sequence Spread Spectrum (DSSS) Radio Signal Type

**Media Access Protocol**
- CSMA/CA (Collision Avoidance) with ACK

**Power Consumption**
- Operation: Maximum 1.05 A
- Standby: 60mA +/- 20mA

**Dimension**
- 198 x 150 x 61.5 mm

**Weight**
- 1.5lbs

**Compliance**
- USA: FCC Part 15 Class B and C
- Europe: ETSI EN 301 328-2 and ETSI EN 301 489-1-17, EN60950, CE-Mark
- Canada: ICES-003
- Wi-Fi Compliant

**Temperature Range**
- Operating: -0°C ~ +70°C
- Storage: 20°C ~ +70°C

**Humidity**
- Operating: 0% to 70%
- Storage: 0% to 95% Non-condensing

**Warranty**
- Limited Lifetime

### SMCPWE-KIT

**Input Specification**
- Input Voltage: 40V~56V
- Input Current: 400mA, max. @ 48V Input, Full Load

**Efficiency**
- 60%, min. @ Full Load
- 48V Input
- 75%, min. @ Full Load

**Line Regulation**
- The maximum voltage change on output is ±0.25 V when input voltage varies within 40V~56V

**Input Line Noise**
- ±250mV

**Output Specification**
- Output Voltage: 5.0 ± 0.25 V from no load to full load
- Output Current: 2.5A, max.

**Dynamic Load Regulation**
- The maximum voltage change on output is ±0.25 V for 50%-100% or 100%-50% load change at any frequency up to 100Hz (Duty 50%)

**Ripple & Spike**
- ±100mV

### Power Jack Female Connector:
- Connector J1 (to the Power Adapter):
  - Pin Assignment:
    - Pin 1: Power Adapter Output (48V, standard)
    - Pin 2: Power Ground

### RJ-45 Connector:
- Connector J2 (to the Hub/Switch):
  - Pin Assignment:
    - Pin 1: T+ Signal, connected directly to J4 Pin3 through an Ethernet wire
    - Pin 2: T- Signal, connected directly to J4 Pin2 through an Ethernet wire
    - Pin 3: R+ Signal, connected directly to J4 Pin3 through an Ethernet wire
    - Pin 4: R- Signal, connected directly to J4 Pin4 through an Ethernet wire
    - Pin 5: P2+, connected with J2 PIN8 through an Ethernet wire
    - Pin 6: P2-, connected with J2 PIN7 through an Ethernet wire
    - Pin 7: P4+, connected with J2 PIN8 through an Ethernet wire
    - Pin 8: P4-, connected with J2 PIN7 through an Ethernet wire

### Interface to the SMCSPLITTER
- Power Jack Male Connector:
  - Connector J3 (to the Power Adapter):
    - Pin Assignment:
      - Pin 1: Power Adapter Output (48V, typical)
      - Pin 2: Power Ground

### SMCSPLITTER

**Input Interface**
- RJ-45: Connector J4:
  - Pin Assignment:
    - Pin 1: T+ Signal, connected directly to J2 Pin3 through an Ethernet wire
    - Pin 2: T- Signal, connected directly to J2 Pin2 through an Ethernet wire
    - Pin 3: R+ Signal, connected directly to J2 Pin3 through an Ethernet wire
    - Pin 4: R- Signal, connected directly to J2 Pin4 through an Ethernet wire
    - Pin 5: P2+, connected with J2 PIN8 through an Ethernet wire
    - Pin 6: P2-, connected with J2 PIN7 through an Ethernet wire
    - Pin 7: P4+, connected with J2 PIN8 through an Ethernet wire
    - Pin 8: P4-, connected with J2 PIN7 through an Ethernet wire

**Temperature Range**
- Operating: 0°C ~ +70°C
- Storage: -20°C ~ +90°C

**Humidity**
- Operating: 0% to 70% r.h.
- Storage: 0% to 90% r.h.

**Protection Function**
- Thermal Shutdown
- Over-current Protection: 1.3A, min., 2.2A, typical, 3.2A, max.

**SMCPWE-KIT** is designed for use with SMC2455W and SMC2482W only. The use of the Power over Ethernet Kit with other Ethernet-ready devices may cause damage to the devices.

### Table

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMC2455W</td>
<td>EZ Connect Turbo 2.4GHz 11/22 Mbps Auto-Sensing Wireless Access Point</td>
</tr>
<tr>
<td>SMCPWE-KIT</td>
<td>EZ Connect 2.4GHz Power over Ethernet Kit</td>
</tr>
</tbody>
</table>