The SMC range of high-gain universal, point-to-point, point-to-multi-point, flat panel, parabolic antennas, and omni-directional antenna provide the perfect solution for those applications where greater distance or structural penetration is necessary.

The SMCANT-00M8 8dBi Omni-Directional Antenna is an optimal solution for midrange, point-to-multi-point, and building-to-building applications.

The flat panel SMCANT-DIFP11 is a low profile, high gain, wide dispersion directional antenna that is perfect for extending the wireless operating distance for indoor/outdoor applications.

The SMCANT-DI105 is a high-gain wide dispersion antenna perfect for wireless LAN solutions or customer premise equipment.

The SMCANT-DI135 is a perfect universal antenna that can be used in a wireless LAN, point-to-point, or customer premise environment. This multi-purpose antenna provides superior structural penetration, point-to-point ranges of up to 7 miles, and can act as a general-purpose point-to-multi-point antenna.

The SMCANT-DI145 is the market's premier point-to-point beam and higher gain provide seamless connectivity up to 9 miles. When greater structural penetration is needed, the DI145 is also the choice for indoor/outdoor wireless build-out applications.

The SMCANT-DI215 has the narrowest beam and highest gain which is ideal for long-range point-to-point applications.

SMCANT-CEILINGBOX is an ideal solution providing wireless coverage for any medium to large indoor installation. It consists of a 5 dBi omni-directional antenna, SMCAMP-1000 1 Watt Amplifier (100mW Amplifier for SMCANT-CEILINGBOX EU), SMCAMP-INJ Power Injector, and Power over Ethernet Remote Unit. It is designed to work with a SMC2582W-B Wireless Bridge in large areas such as warehouse, multiple-floor office buildings, and hospitals. The SMCANT-CEILINGBOX fits in a standard suspended ceiling structure, supports Power over Ethernet, and is easy to install.

Antenna cables, amplifiers, lightning protector, mounting arm, and desktop stand are available for the full line of SMC high-gain antennas. Call your SMC representative for details.
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Features</th>
<th>Frequency Range</th>
<th>Gain</th>
<th>Polarization</th>
<th>Connector</th>
<th>Beam Width (-3db)</th>
<th>VSWR</th>
<th>F/B Ratio</th>
<th>Impedance</th>
<th>Power Handling</th>
<th>Weight</th>
<th>Wind Loading</th>
<th>Max Range</th>
<th>Point-to-Point Distance</th>
<th>Point-to-Multipoint Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCANT-00M8*</td>
<td></td>
<td>2.400-2.500 MHz</td>
<td>8.0</td>
<td>Linear, vertical</td>
<td>N Female</td>
<td>70 Degrees</td>
<td>2.0</td>
<td></td>
<td>50 Ohm</td>
<td>50 W (cw)</td>
<td>7.0 oz.</td>
<td>100-125 mph</td>
<td>1.8 Miles</td>
<td></td>
<td></td>
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<tr>
<td>SMCANT-DIFP11</td>
<td></td>
<td>2.400-2.483 MHz</td>
<td>11</td>
<td>Circular</td>
<td>N Female</td>
<td>50 Degrees</td>
<td>&lt;1.22</td>
<td></td>
<td>50 Ohm</td>
<td>28 dB</td>
<td>4.0 oz.</td>
<td>17 lbs.</td>
<td>9 miles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMCANT-DI105*</td>
<td></td>
<td>2.400-2.483 MHz</td>
<td>10.5</td>
<td>Elliptical</td>
<td>N Female</td>
<td>36 Degrees</td>
<td>&lt;1.22</td>
<td></td>
<td>50 Ohm</td>
<td>16 dB</td>
<td>19.5 oz.</td>
<td>100-125 mph</td>
<td>3.5 miles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMCANT-DI135*</td>
<td></td>
<td>2.400-2.483 MHz</td>
<td>13.5</td>
<td>Elliptical</td>
<td>N Female</td>
<td>26 Degrees</td>
<td>&lt;1.22</td>
<td></td>
<td>50 Ohm</td>
<td>15 dB</td>
<td>23 oz.</td>
<td>100-125 mph</td>
<td>7 miles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMCANT-DI145*</td>
<td></td>
<td>2.400-2.483 MHz</td>
<td>14.5</td>
<td>Elliptical</td>
<td>N Female</td>
<td>14 Degrees</td>
<td>&lt;1.22</td>
<td></td>
<td>50 Ohm</td>
<td>15 dB</td>
<td>25 oz.</td>
<td>100-125 mph</td>
<td>9 miles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMCANT-DI215*</td>
<td></td>
<td>2.400-2.483 MHz</td>
<td>21.5</td>
<td>Elliptical</td>
<td>N Female</td>
<td>14 Degrees</td>
<td>&lt;1.22</td>
<td></td>
<td>50 Ohm</td>
<td>25 dB</td>
<td>17 lbs.</td>
<td>100-125 mph</td>
<td>16 miles</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Point-to-Point Distance**
- SMCAMP-500: 9 Miles
- SMCAMP-1000: 12 Miles

**Point-to-Multipoint Distance**
- 3.5 Miles
- 4.5 Miles
- 4.0 Miles
- 3.5 Miles
- 3.0 Miles
- 2.0 Miles
- 1.5 Miles

**Angle Distance**
- 0° - 7°: 20 Miles
- 7° - 14°: 13 Miles
- 14° - 90°: 1.5 Miles
- 90° - 135°: 0.15 Miles
- 135° - 180°: 0.05 Miles
### 2.4GHz Wireless High-Gain Antennas

#### SMCANT-CEILINGBOX*
- **Features**
  - **Coverage:** 30,000 sf
  - **Polarization:** Elliptical
  - **Total Power Output:**
    - SMCANT-CEILING BOX US version: 1 Watt
    - SMCANT-CEILING BOX EU version: 100mW
  - **Beam Width:** 360°
  - **VSWR:** < 1.22
  - **Impedance:** 50 Ohm
  - **Dimensions:** 13.12”l x 12”w x 5”h
  - **Weight:** 16 lbs
  - **Mounting:** Suspended Ceiling Arms included
  - **Connector:** RJ45

#### SMCAMP-500*
- **Features**
  - **Freq Range:** 2400-2.500 MHz
  - **Power over Ethernet (PoE):** Compatible
  - **Output Power:** 500mW
  - **Operating Mode:** Bi-directional TDD
  - **Freq Response:** +/- 1dB
  - **TX Input Power:** +1dBm
  - **Receiver Gain:** 18 dB Typical
  - **Noise Figure:** <=3 dB
  - **Connectors:** N-type Female Power
  - **Dimension:** 3.75” x 3” x 1.25”
  - **Operating Temperature:** 40°C to +70°C

#### SMCAMP-1000*
- **Features**
  - **Freq Range:** 2400-2.500 MHz
  - **Power over Ethernet (PoE):** Compatible
  - **Output Power:** 1 Watt
  - **Operating Mode:** Bi-directional TDD
  - **Freq Response:** +/- 1dB
  - **TX Input Power:** +1dBm
  - **Receiver Gain:** 18 dB Typical
  - **Noise Figure:** <=3 dB
  - **Connectors:** N-type Female Power
  - **Dimension:** 3.75” x 3” x 1.25”
  - **Operating Temperature:** 40°C to +70°C

#### SMCAMP-INJ*
- **Features**
  - **Dimensions:** 5.3” x 2.1” x 1.2”
  - **Weight:** 8oz
  - **Input Voltage:** 5 - 48 V
  - **Input Power Jack:** 5.5mm x 2.1mm
  - **Input Power Jack Center Positive**:
    - **Connector:** N Female to N Male
    - **Mounting:** Bulk Head Height: 1.75”
  - **Width:** 1.0”
  - **Length:** 3.25”
  - **Weight:** 4.0 oz.

*Perfect for use with SMC's 2.4GHz Wireless Bridge (SMC2582W-B)