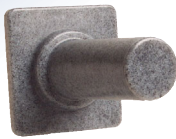


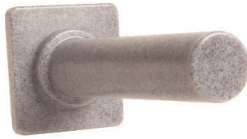
wireless

## 2.4GHz Wireless High-Gain Antennas

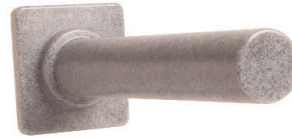
SMCANT-DI105



SMCANT-DI135



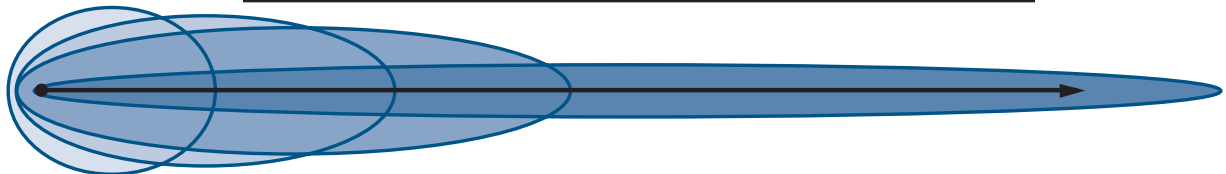
SMCANT-DI145



SMCANT-DI215



### Comparison of Antenna Beam Widths and Ranges



SMCANT-DI105

SMCANT-DI135

SMCANT-DI145

SMCANT-DI215

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

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 antenna that does not require line-of-sight (LOS). Its narrower 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.

The new addition to the SMC High Gain Antenna family is the SMCANT-CEILINGBOX. 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, SMCAMP-INJ Power Injector, and Power over Ethernet Remote Unit. It is designed to work with a SMC2482W 11/22 Mbps 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, mounting arm, and desktop stand are available for the full line of SMC high-gain antennas. Call your SMC representative for details.

**SMC**<sup>®</sup>  
Networks

**LUXUL**  
the wireless wave



# 2.4GHz Wireless High-Gain Antennas

wireless

SPECIFICATIONS  
01010011001001000010010110010101010100110101010

## SMCANT-CEILINGBOX\*

### Features

Coverage:  
30,000 sf  
Polarization:  
Elliptical  
Total Power Output:  
35 dBi  
Beam Width:  
360°  
VSWR:  
<1.22  
Impedance:  
50 Ohm  
Dimensions:  
13.12" l x 12" w x 5" h  
Weight:  
13.5 lbs  
Mounting:  
Suspended Ceiling  
Arms included  
Connector:  
RJ45

## SMCAMP-500\*

### Features

Freq Range:  
2400-2500 MHz  
Power over Ethernet  
(PoE) Compatible  
Output Power:  
500mW  
Operating Mode:  
Bi-directional TDD  
Frequency Response:  
+/- 1dB  
TX Input Power:  
+1dBm  
Receiver Gain:  
18 dB Typical  
Noise Figure:  
<=3 dB  
Connectors:  
N-type Female  
Power:  
12-48V 5W (max)  
Dimension:  
3.75" x 3" x 1.25"  
Operating Temperature:  
40°C to +70°C

## SMCAMP-1000\*

### Features

Freq Range:  
2400-2500 MHz  
Power over Ethernet  
(PoE) Compatible  
Output Power:  
1 Watt  
Operating Mode:  
Bi-directional TDD  
Frequency Response:  
+/- 1dB  
TX Input Power:  
+1dBm  
Receiver Gain:  
18 dB Typical  
Noise Figure:  
<=3 dB  
Connectors:  
N-type Female  
Power:  
12-48V 5W (max)  
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  
Input & Output Ethernet  
Jack:  
RJ45  
IEEE 802.3af  
Compliant  
RJ45 DC Output  
Polarity Switchable

\*Perfect for use with SMC's 2.4GHz 11/22Mbps Wireless Bridge (SMC2482W) and 2.4GHz Wireless Cable/DSL Broadband Router (SMC7004WFW)

Product	Description
SMCANT-DI105	EZ Connect - Wireless High-Gain 10.5dBi Antenna
SMCANT-DI135	EZ Connect - Wireless High-Gain 13.5dBi Antenna
SMCANT-DI145	EZ Connect - Wireless High-Gain 14.5dBi Antenna
SMCANT-DI215	EZ Connect - Wireless High-Gain 21.5dBi Parabolic Dish Antenna
SMCANT-KIT	EZ Connect - Wireless High-Gain Antenna Kit
SMCAMP-500	EZ Connect - 500mW Power over Ethernet Amplifier
SMCAMP-1000	EZ Connect - 1 Watt Power over Ethernet Amplifier
SMCANT-CEILINGBOX	EZ Connect - 2.4GHz High Gain Antenna Ceiling Box Kit
SMCAMP-INJ	EZ Connect - Power Injector
SMCANT-DS	EZ Connect - Antenna Desktop Stand
SMCANT-MA	EZ Connect - Antenna Mounting Arm
SMCANT-CAB25	EZ Connect - 25' LMR 195 Antenna Cable with RP-TNC-Female to N-Male Connectors
SMCANT-CAB78	EZ Connect - 78' LMR 400 Antenna Cable with RP-TNC-Female to N-Male Connectors
SMCANT-CAB25F	EZ Connect 25' LMR 400 Antenna Cable with RP-TNC-Female to N-Male Connectors
SMCANT-CAB50F	EZ Connect 50' LMR 400 Antenna Cable with RP-TNC-Female to N-Male Connectors
SMCANT-CAB75F	EZ Connect 75' LMR 400 Antenna Cable with RP-TNC-Female to N-Male Connectors
SMCANT-CAB50FNN	EZ Connect - 50' LMR 400 Antenna Cable with N-Male to N-Male Connectors