

ID SERIES OUTDOOR INDUSTRIAL DIPOLE ANTENNA

Designed for outdoor, rough environments, the ID Series antenna is constructed to survive in extreme temperature ranges and under harsh UV conditions. It is tested and certified for IP67 exposure using UL (f1) compatible materials. This robust antenna is an integrated solution, combining both cable and antenna into a single unit, resulting in up to 20% better efficiency than a traditional solution using a separate cable and antenna. Higher efficiency means more radiated power and longer-range operation. An integrated mounting bracket simplifies installation, shortening time and lowering costs. Available in 868, 916MHz and 2.4GHz, the ID Series antenna is a cost-effective solution for challenging applications with increased reliability and fewer points of failure.

BENEFITS



**WITHSTAND HARSH
TEMPERATURE RANGES**



IP67 & UV PROTECTED



**DESIGNED FOR RUGGED
OUTDOOR ENVIRONMENTS**



**20% BETTER EFFICIENCY THAN
TRADITIONAL SOLUTION**



ROBUST INTEGRATED SOLUTION



**INCREASED RADIATED POWER
& LONGER-RANGE**

APPLICATIONS

✓ **INDUSTRIAL MONITORING AND CONTROL**

✓ **SOLAR AND WIND FARMS**

✓ **MARINE MONITORING AND CONTROL**

✓ **OUTDOOR WIRELESS SENSOR NETWORKS**

✓ **OUTDOOR WATER, POWER AND GAS METERS**

✓ **COMMERCIAL AND HOME AUTOMATION**

CONTACT [SALES@LINUXTECHNOLOGIES.COM](mailto:sales@linxtechnologies.com) FOR MORE INFORMATION

SPECIFICATIONS

Part Number	ANT-868-ID-xxx-ccc	ANT-916-ID-xxx-ccc	ANT-2.4-ID-xxx-ccc
Center Frequency	868MHz	916MHz	2.4GHz
Recommended Frequency Range	848–898MHz	895–945MHz	2.35–2.60GHz
Bandwidth	50MHz	50MHz	250MHz
Wavelength	½-wave		
VSWR	≤ 1.9 typical		
Peak Gain	0.6dBi max	1.6dBi max	3.0dBi max
Impedance	50-ohms		
Cable	1 or 2m of RG-58/U		
Connection	RP-SMA or SMA		
Ingress Protection	IP67		
Operating Temperature Range	–40°C to +80°C		
UV Resistance	UL 2556 section 4.2.8.5 or equivalent		

ORDERING INFORMATION

Part Number	Description
ANT-2.4-ID-1000-RPS	2.4GHz Ind Antenna, 1m, RP-SMA
ANT-2.4-ID-1000-SMA	2.4GHz Ind Antenna, 1m, SMA
ANT-2.4-ID-2000-RPS	2.4GHz Ind Antenna, 2m, RP-SMA
ANT-2.4-ID-2000-SMA	2.4GHz Ind Antenna, 2m, SMA
ANT-868-ID-1000-SMA	868MHz Ind Antenna, 1m, SMA
ANT-868-ID-2000-SMA	868MHz Ind Antenna, 2m, SMA
ANT-916-ID-1000-RPS	916MHz Ind Antenna, 1m, RP-SMA
ANT-916-ID-1000-SMA	916MHz Ind Antenna, 1m, SMA
ANT-916-ID-2000-RPS	916MHz Ind Antenna, 2m, RP-SMA
ANT-916-ID-2000-SMA	916MHz Ind Antenna, 2m, SMA