



## 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

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## 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