



AW-ANT-M60-AFO0

Global | Wide-Beam | Rugged Antenna

The Argo Wireless AW-ANT-M60-AFO0 Mini Global Antenna is a weatherproof outdoor RFID antenna, tested and certified to meet IP68 standards, ensuring it withstands the harshest environments. As the smallest version of the Argo Wireless global antenna family, it offers a more compact footprint of 7.5" x 7.5", making it ideal for smaller spaces. This global antenna delivers readability across the industry standards from 865 to 965 MHz.



Global



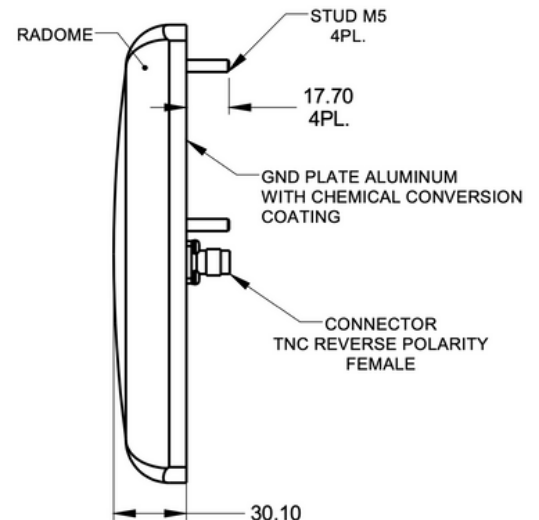
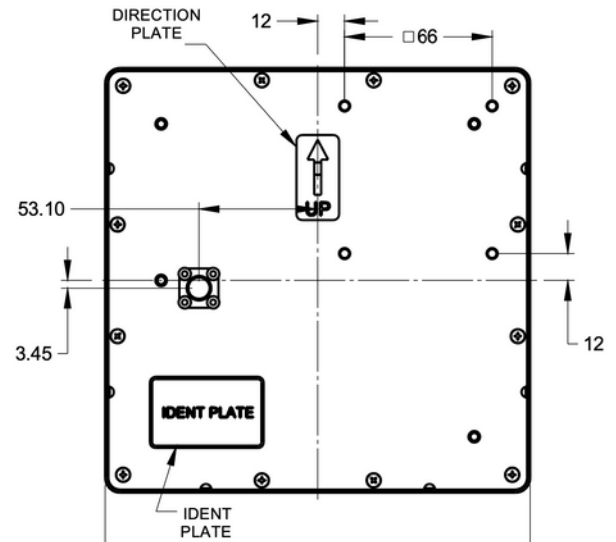
Small Footprint



Indoor to Outdoor

Electrical

Regulatory Compliance	RoHS - CE 0682
Frequency Range	865 - 956 MHz
Gain	865-870 MHz @ 7 dBic (min)
	902-928 MHz @ 7.5 dBic (min)
	950-956 MHz @ 6.5 dBic (min)
VSWR	1.2:1 (typ) 1.35 : (max)
Polarization	RHCP
3DB Elevation Beamwidth	72° (typ)
3DB Azimuth Beamwidth	74° (typ)
F/B Ratio	-18 dB (max)
Power	6W (max)
Input Impedance	50(ohm)
Axial Ratio at Boresight	865-870 MHz @ 3 dBic (max)
	902-928 MHz @ 1.3 dBic (max)
	950-956 MHz @ 2.5 dBic (max)
Lightning Protection	DC Grounded





Mechanical

Dimensions	7.4 x 7.4 x 1in (max) 190 x 190 x 30mm (max)
Connector	RP-TNC Female
Weight	0.8 (Kgs) (max)
Mounting Kit	See RD41191800, Mt-120018/A
Radome Material	Plastic
Base Plate Material	Aluminum with conversion coating
Outline Drawing	ARD42881300C

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72h	-67°F (-55°C)	
High Temperature	IEC 68-2-2	72h	159°F (+71°C)	
Temp. Cycling	IEC 68-2-14	1h	-49°F + 158°F -45°C +70°C	3 Cycles
Thermal Shock Nono-Operating				Ramp 86°F (30°C) /min
Humidity	ETSI EN300-2-4 T4.1E	144h		95%
Water Tightness	IEC 529			IP68
Dust Resistance				IP68
Solar Radiation	ATSM G53	1000h		
Ozone Resistance	ETSI 300			
Flammability	UL 94			Class HB
Quasi Random Vibration				20g rms for 4 hours
Vehicle Vibration Operating	1 grms, 10-500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear - an additional 50hrs in worst.
Mechanical Shock Operating	10 grms, 11 msec, half sine pulse			