



# AW-ANT-M30-AF00

Long Range | High Performance | Indoor/Outdoor



The High Gain RFID Antenna delivers long-range performance and durability, perfect for warehouse applications.



Long Range



Extremely High Performance



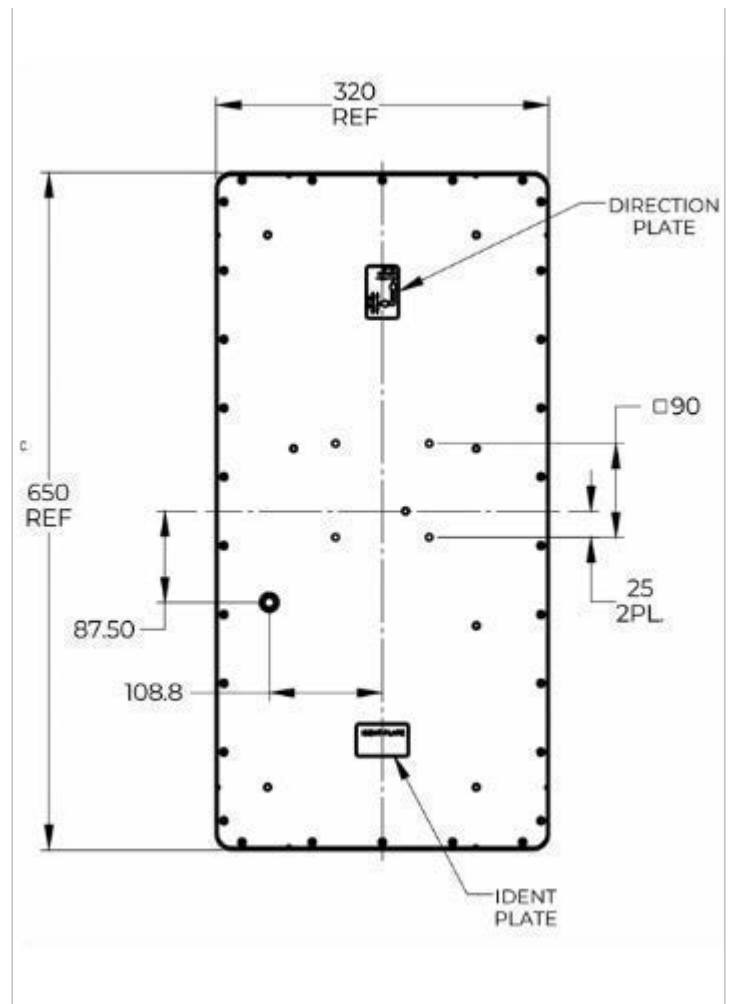
Indoor to Outdoor

## Electrical

Regulatory Compliance	RoHS - CE 0682
Frequency	902 - 928 MHz
Gain	11 dBic min 12.5 dBic max
VSWR	1.5:1 max 1.3:1 typ
Polarization	RHCP
3 dB Beam Width	Azimuth: 30° typ Elevation: 63° typ
Side Lobes Level @ 90°	-12 dB max -15 dB typ
Axial Ration At Boresight F/	3dB
B Radio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	650x320x32 mm/25.6x12.6x1.25 in max
Orientation	Rectangular
Weight	2.8 kg/6.2 lbs max
Connector	TNC Reverse polarity
Radome	Plastic UV Resistant per ETSI 300





## Electrical

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72h	-55°C	
High Temperature	IEC 68-2-2	72h	+71°C	
Temp. Cycling	IEC 68-2-14	1 h	-45°C + 70°C	3 Cycles
Thermal Shock Nono-Operation			-30°C to +70°C	Ramp 30°C/min
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Dust Resistance				IP67
Solar Radiation	ASTMG53	1000 h		
Ozone Resistance	ETSI 300			
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	500 h		
Quasi Random Virbration				20g rms for 4 hours
Vehicle Vibration Operating	1 g rms, 10-500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear - an additional 50hrs in worst case axis
Mechanical Shock Operating	10g, 11 msec, half sine pulse			6 hours total, 2 hr in each axis. Accelerated wear - an additional 50hrs in worst case axis

