



# AW-ANT-M50-AF00

Versatile | Long-range | Rugged | Global

AW-ANT-M50-AF00 is a weatherproof outdoor RFID antenna designed for extreme conditions, covering global frequencies from 865-870 MHz (ETSI) to 902-928 MHz (FCC). Ideal for oil fields, shipping yards, and external dock settings, it combines a robust build with a visually pleasing design, offering a cost-effective yet high-performance readability solution.



Long Beam Range



Lightweight Antenna



Environment-Proof



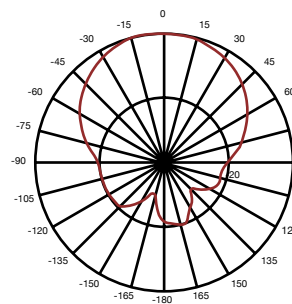
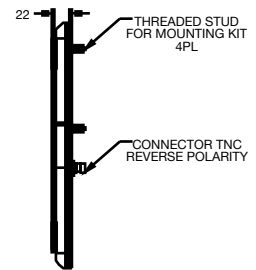
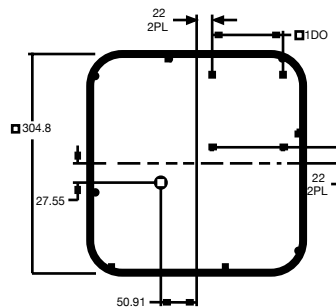
Cost Effective

## Electrical

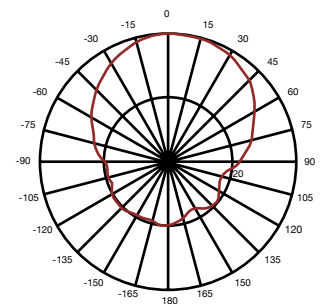
Regulatory Compliance	RoHS - CE 0682
Frequency Range	865-956 MHz
Gain	7.5 dBic (min), 8.5 dBic (max) @ 865-870 MHz 8.5 dBic (min), 9.5 dBic (max) @ 902-928 MHz 7.5 dBic (min), 9.0 dBic (max) @ 950-956 MHz
VSWR	1.3:1 (max)
Polarization	RHCP
3db Elevation Beamwidth	63° (typ)
3db Azimuth Beamwidth	63° (typ)
Sidelobes Level @ ± 90	16dB (max)
F/B Ratio	-18 dB (max) -20 dB (typ)
Power	6W (max)
Input Impedance	50 (ohm)
Axial Ratio at Boresight	4dB (max)
Lightning Protection	DC Grounded

## Mechanical

Dimensions	305x305x25mm (max)
Connector	Reverse Polarity TNC Female
Weight	1.2 kg (max)
Mounting Kit	AW-MNT-MA
VESA Mount	100x100 mm
Base Plate Material	Aluminum with chemical conversion coating



Azimuth Radiation Pattern



Elevation Radiation Pattern