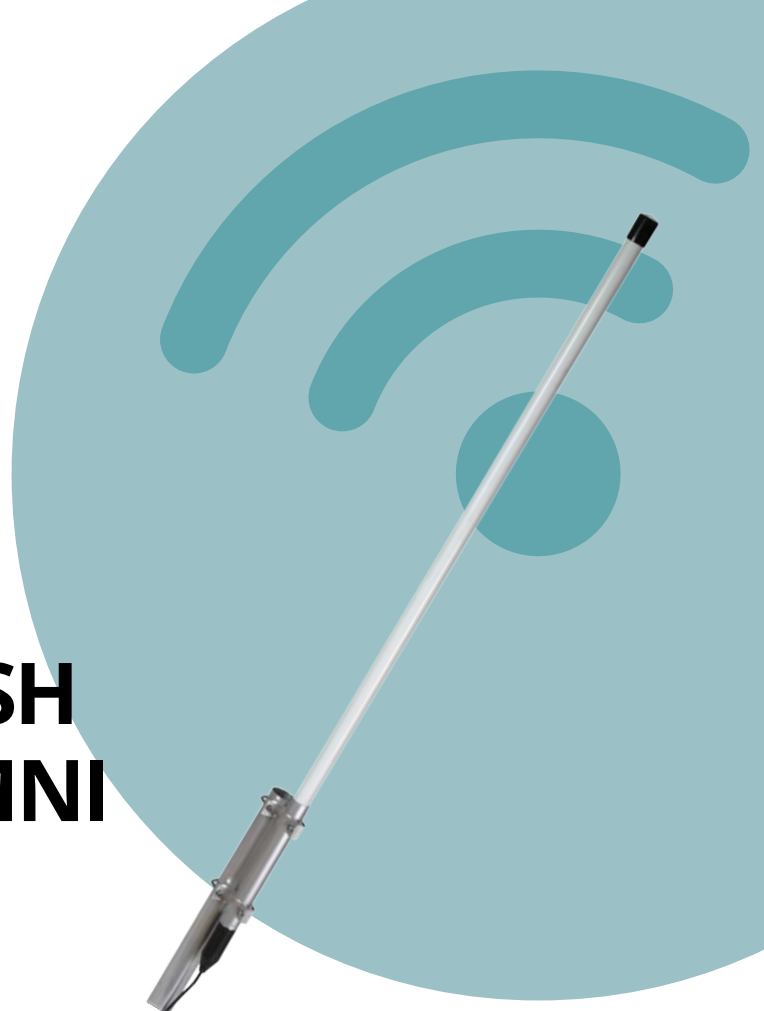




Wavetrend's high gain Antenna with omni-directional coverage, designed for outdoor use and cabled connection to the Reader. Can be used in harsh environments.

LONG RANGE HARSH ENVIRONMENT OMNI ANTENNA SP420



Specifications

Electrical data

Type	Colinear
Frequency range	420-470 MHz @ SWR <= 1.5
Impedance	50 Ohm
Radiation (H-Plane)	360° Omnidirectional
Radiation (E-Plane)	Beamwidth @ -3 dB = 40°
Polarization	Linear vertical
Gain	3 dBd / 5.15 dBi
Grounding Protection	All metal parts are DC-grounded, inner conductor shows a DC short
Connector	N-female, with rubber protection cap

Mechanical data

Materials	White fibreglass radome 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber
Wind load at 150 km/h	53 N
Wind resistance	180 km/h
Wind surface	0.044 m ²
Operating temperature range	-40°C to + 80°C
Height (approx.)	1380 mm
Weight (approx.)	1200g
Mounting mast	Side mast with "V" bolt, 35-54 mm

Read range

150m depending on installation and environment

To order or for further information



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