

5GHz 19dBi 2x2 Panel Antenna

Specifications

Electrical Specifications

Frequency Range	4.9 – 5.875 GHz
Gain	19 ± 1 dBi
Polarization	Dual Pole Linear, Vertical and Horizontal Dual Slant $\pm 45^\circ$ if mounted diagonally
Horizontal Beamwidth	16° (-3 dB)
Vertical Beamwidth	16° (-3 dB)
Side Lobes Level	ETSI TS2
VSWR	1.7 (Max.)
Front-to-back Ratio	-20 dB (Min.), ETSI TS2
Cross-polar Ratio	-20 dB (Min.)
Isolation	-30 dB (Min.)
Impedance	50 Ω
Power Handling	10 W (Max.)
Lightning Protection	DC Grounded

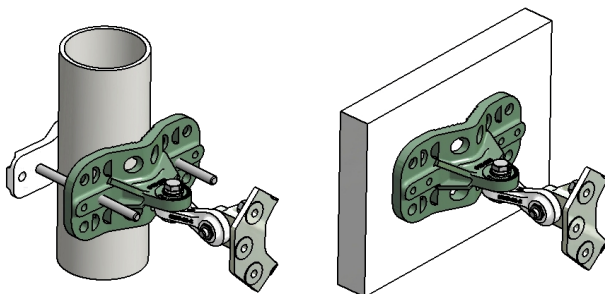
Environmental Specifications

Temperature	-40 °C to +65 °C
Humidity	ETS 300 019-1-4; EN 302 085 (Annex A.1.1)
Wind Loading	200 km/hr (Survival)
Vibration	IEC 60721-3-4
Flammability	UL94
Weatherproof	IP67
Salt Fog	IEC 68-2-11

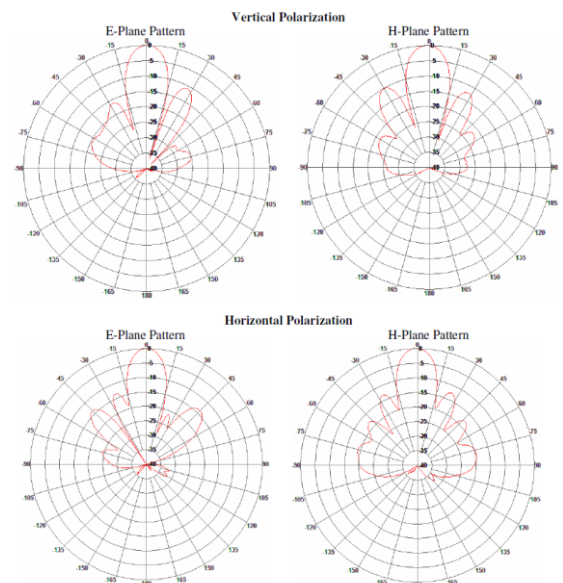
Mechanical Specifications

Radome Material	UV Protected Polycarbonate
Reflector Material	Aluminium, Protected Through Chemical Passivation
Mounting Material	Aluminium
Weight	400 g (Antenna) 760 g (Mounting Kit)
Dimensions	200 x 200 x 33 mm
Connector	2 x N-female
Mounting Type	Pole or Wall Mounting
Pole Diameter	Ø25 to 120 mm (Screws supplied are 80 mm long)
Mechanical Movement	$\pm 45^\circ$ (Azimuth); $\pm 45^\circ$ (Elevation)

Mounting Diagram



Antenna Patterns



Product Ordering

Part Number: GEAN-5PI9-02

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Including Mounting Kit

Excluding RF Cable

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