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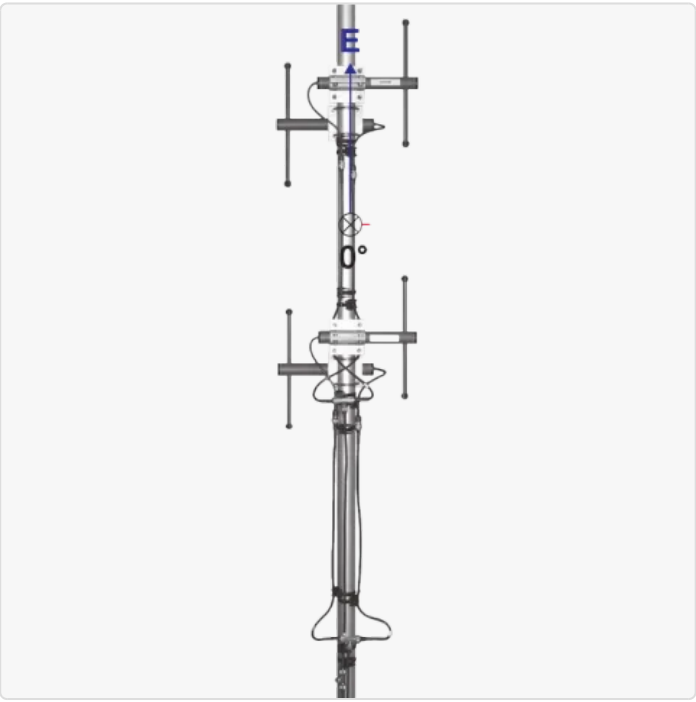
ComAnt Bi-Directional Stacked Broadside Antenna, 440 to 475 MHz, 9dBi, N Female

SKU: ANT-CA-00005

MPN: CA450B4



Description

The ComAnt Bi-Directional Stacked Broadside Antenna (Model: CA450B4) by CompleTech offers robust performance for communication applications within the 440 to 475 MHz frequency range. Delivering a peak gain of 9dBi, this stacked dipole antenna ensures reliable signal strength and coverage, making it ideal for professional use in various VHF, UHF, and SHF-band systems.

Constructed from durable ABS plastic and fibreglass, the antenna meets IP67 standards, providing excellent protection against dust and water, and operates efficiently in temperatures ranging from -40°C to 80°C. Its vertical polarisation and 50 Ω impedance ensure optimal RF performance, characterised by a VSWR of <1.5:1, a 27° elevation beamwidth, and a 71° azimuth beamwidth. The antenna is equipped with a single N Female RF connection on the cable tail.

CompleTech, a Finnish company renowned for its high-quality ComAnt antennas since 1990, utilises modular designs to...

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RF Specification

Start Frequency:	440 MHz	Polarisation:	Vertical (V)
Stop Frequency:	475 MHz	Input Impedance:	50 Ω

RF Connectors

CompleTech

CompleTech is a Finnish-owned company group specialising in the design, manufacturing and marketing of high quality ComAnt® communications antennas for professionals since 1990.

Radome enclosed IP67 proof ComAnt® antennas are in serial production covering all the main VHF-, UHF- and SHF-bands with different radiation patterns, polarizations and gains. The modularity principle makes it easy to turn ...

Ports	RF Interface
1	N Female

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
440 MHz	475 MHz	9 dBi	< 1.5:1	71°	27°	> 0 dB

Physical Specification

Subtype:	Dipole Array	Dimensions:	1080
Input Ports:	1	Ingress Protection:	IP67
MIMO:	1x1 SISO	Materials:	ABS Plastic, Fibreglass (GRP)
Min. Operating Temperature:	-40 °C	Mounting:	Pole Clamp 35 to 60 mm
Max. Operating Temperature:	80 °C	Weight:	3.43 kg
		Compliance/Certifications:	CE , RoHS

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