

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

SKU: ANT-CA-00005

MPN: CA450B4

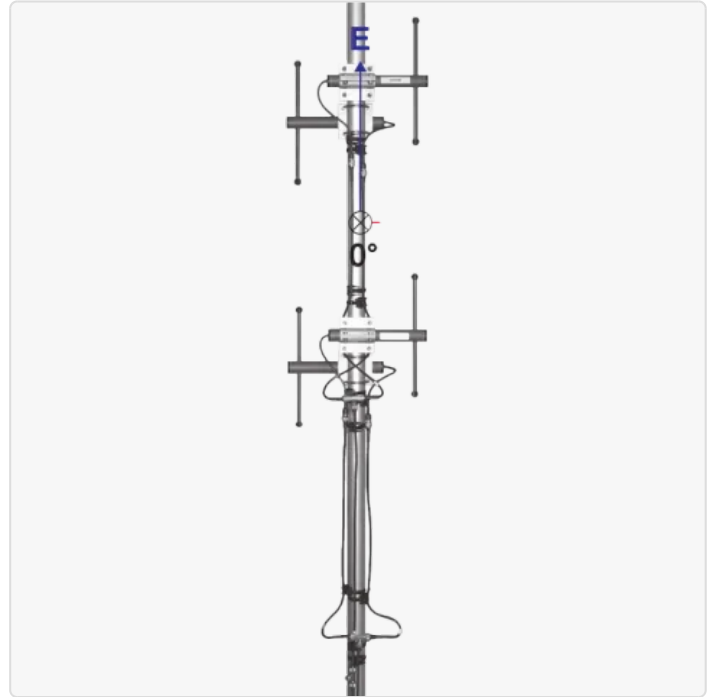
## Description

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  $\Omega$  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...

[Read More](#)



## 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 ...

# RF Specification

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

## RF Connectors

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	

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

