Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

ComAnt Cross-Polarised Yagi Antenna, 440 to 475 MHz, 8dBi, N Female

SKU
ANT-CA-00009
MPN
CA450X+

Description

The ComAnt Cross-Polarised Yagi Antenna (SKU: ANT-CA-00009), developed by CompleTech, operates in the 440 to 475 MHz range and is designed for professional communication applications. Its robust construction, featuring ABS plastic, aluminium, and beryllium copper, is IP67 certified, ensuring durability in harsh environments from -40 °C to 80 °C. The antenna provides a peak gain of 8 dBi, ensuring strong signal performance, while its dual slant ±45° polarisation enhances signal reception and transmission capabilities.

Engineered for easy integration, the antenna features a single N Female RF connection and complies with CE and RoHS standards, meeting global environmental and safety regulations. CompleTech, a Finnish company with a long-standing reputation since 1990, specialises in high-quality communication antennas. Their modular design allows for flexibility across various applications, adapting to changing needs without requiring new...

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
Stop Frequency
475 MHz
Polarisation
Dual Slant ±45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface
1	N Female

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio	Inter-Port Iso.
440 MHz	475 MHz	8 dBi	< 1.5:1	69°	68°	> 12 dB	> 30 dB

Physical Specification

Subtype
Yagi
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Ingress Protection
IP67
Materials
ABS Plastic, Aluminium, Beryllium Copper
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.

