

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 $\pm 45^\circ$ 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...

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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: | Dual Slant $\pm 45^{\circ}$ |
| 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 | Inter-Port Iso. |
|-------------|------------|-----------|---------|---------|-----------|-----------|-----------------|
| 440 MHz | 475 MHz | 8 dBi | < 1.5:1 | 69° | 68° | > 12 dB | > 30 dB |

Physical Specification

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

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