

LT-ANT160-168-6.5

VHF HIGH-GAIN BASE STATION ANTENNA

The LT-ANT160-168-6.5 is a VHF base station antenna designed for the 160–168 MHz band. Delivering 6.5 dBi omnidirectional gain and supporting up to 150 W input power, it provides dependable wide-area coverage for professional and mission-critical communication systems. Its 3.0 m slim fiberglass radome ensures long-lasting durability, weather resistance, and easy installation in diverse outdoor environments.

Key Features

- Frequency range: 160–168 MHz
- 6.5 dBi omnidirectional gain
- 150 W maximum input power
- Wide vertical beamwidth (25°) for reliable coverage
- Low VSWR (≤ 1.5) for efficient operation
- DC grounded lightning protection
- Slim 3.0 m fiberglass radome, IP24/IP65 ingress protection
- Supplied with UBolt / Side / Butterfly mount kit, fits poles Ø40–50 mm

Feature	LT-ANT160-168-6.5
Frequency Range	160–168 MHz
Bandwidth	8 MHz
Gain	6.5 dBi
Pattern Shape	Omnidirectional
Vertical Beamwidth	25°
Horizontal Beamwidth	360°
Intermodulation (IM3)	PIP: 100 W
VSWR	≤ 1.5
Impedance	50 Ω
Polarization	Vertical
Max. Power	150 W
Lightning Protection	DC Grounded
Ingress Protection	IP24 (IP65 blocking leak test)
Connector	N Female
Connector Position	Bottom
Length	3000 mm
Diameter	43 mm
Weight	2.8 kg
Radome	Blue Fiberglass
Pole Diameter	Ø40–50 mm
Rated Wind Velocity	60 m/s
Mounting Kit	UBolt / Side / Butterfly

Applications

VHF base station and repeater networks
Public safety and emergency communications
Aviation, marine, and transportation networks
Critical infrastructure coverage
Wide-area urban and rural deployments

Ordering Information

The LT-ANT160-168-6.5 belongs to the VHF Low Power Antenna Series (6.5 dBi, 150 W, slim 3 m radome). Other available models in this series include:

LT-ANT134-142-6.5 (134–142 MHz)
LT-ANT142-150-6.5 (142–150 MHz)
LT-ANT150-158-6.5 (150–158 MHz)
LT-ANT155-163-6.5 (155–163 MHz)
LT-ANT157-165-6.5 (157–165 MHz)
LT-ANT156-164-6.5 (156–164 MHz)

Custom options are available upon request, including specific frequency ranges, connector types, and channel bandwidths.

