

# Ultra-Wide Band Directional Antenna

617-6000 MHz, 4x4 MIMO, Low-PIM

ventev®

Connect, Protect, and Enable™

Ventev's Ultra-Wideband directional antenna is 5G-ready and covers 617-6000 MHz. The antenna is designed for indoor and outdoor wireless networks operating in the LTE, GSM, CDMA, PCS, 3G, 4G, and 5G frequency ranges. This is an ideal antenna for the most demanding mission-critical communications requiring reliable wireless connections. This antenna includes a bracket for wall, pole, or mast mounting.

## Available Models

Description	MFG Part #	SKU
4.3-10 Female	VN-4XLHM6-XD4F	611425
N-Female	VN-4XLHM6-XDNF	611424

## Electrical Specifications

Operating Frequency Range	617-698 MHz	698-960 MHz	1710-2700 MHz	3300-4200 MHz	4900-6000 MHz
Polarization	±45°				
Horizontal Beamwidth	80°	80°	75°	70°	40°
Vertical Beamwidth	75°	75°	60°	60°	30°
Gain	7 dBi	7 dBi	7 dBi	8 dBi	8 dBi
VSWR	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.5
Front-to-Back Ratio	≥ 15 dB	≥ 15 dB	≥ 20 dB	≥ 20 dB	≥ 15 dB
Isolation	≥ 15 dB	≥ 15 dB	≥ 20 dB	≥ 20 dB	≥ 15 dB
PIM, IM3, 2x20 W (43dBm), dBc	≤ -153	≤ -153	≤ -153	/	/
Max Input Power per Port	50 W				
Nominal Impedance	50 Ohms				

## Mechanical Specifications

Dimensions	19.5 x 12.2 x 3.5 in. (495 x 310 x 90 mm)
RF Connector	4.3-10 Female/N-Female
Number of Ports	4
Length of Lead	12 in. Plenum rated, RG141 w/ FEP jacket, UL-94 compliant
Application	Indoor/Outdoor
Mounting Options	Wall, Mast, or Pole (up to 2 in. inner, 4.5 outer diameter for pole/mast). Articulating bracket allows +/-30° Azimuth and down-tilt adjustments.
Operating Temperature	-40° to 158°F (-40° to 70°C)
Relative Humidity	Up to 95%
Weight	5.7 lbs. including bracket



## Features & Benefits

- High Gain 4x4 MIMO Directional Antenna supporting 617-6000 MHz at each port.
- Suitable for indoor/outdoor networks operating in the LTE, GSM, CDMA, PCS, 3G, 4G, and 5G; Supports CAT18/20 devices.
- Ideal for outdoor voice and data deployments in DAS, rural, industrial deployments.
- Rugged construction provides protection from sun, wind, rain, snow, and dust.
- Wall or mast mountable, bracket included.

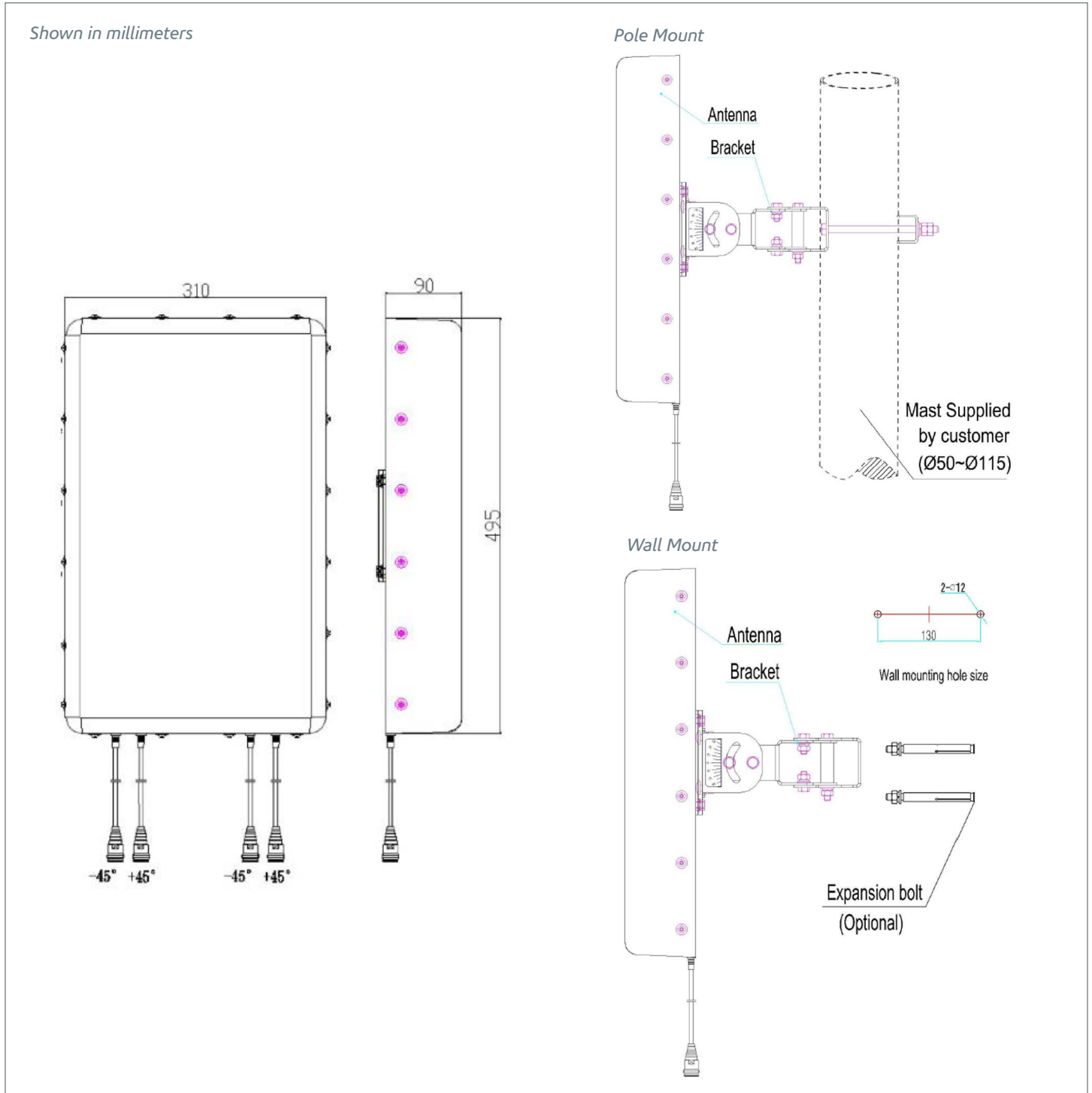


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## Antenna & Mount Information



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