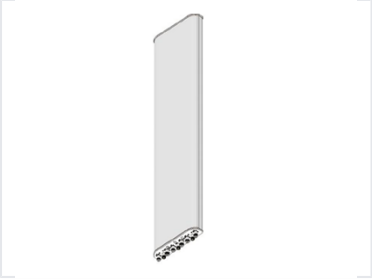
Adjustable Electrical Downtilt Base Station Antenna

This adjustable electrical downtilt base station antenna is designed for cellular communication networks. It optimizes coverage and minimizes interference in urban and rural areas.



Overview

High-Performance Base Station Antenna

This adjustable electrical downtilt base station antenna is engineered for reliable cellular communication networks in both urban and rural environments. It features a versatile frequency range of 1710–2690 MHz and supports precise electrical downtilt adjustments from 0° to 10° to optimize network coverage and minimize signal interference. With a durable FRP radome and robust mechanical design, it is built to withstand harsh outdoor conditions, including high wind speeds up to 60 m/s.

Electrical Performance

Gain

17.5 dBi	17.8 dBi	18 dBi
Gain (1710-2170 MHz)	Gain (2300-2500 MHz)	Gain (2500-2690 MHz)

Beam Width

Frequency Band (MHz)	Horizontal (°)	Vertical (°)
1710-2170	66	7.5
2300-2500	65	6.5
2500-2690	62	5

Frequency Range	1710-2170 MHz, 2300-2500 MHz, 2500-2690 MHz
Electrical Downtilt	0-10°
Maximum Input Power	250 W
Impedance	50 ©

Mechanical Specifications

Dimensions	1396 x 458 x 90 mm
Antenna Weight	16 kg
Input Connector	6 x 7/16 DIN female
Max Wind Speed	60 m/s
Radome Material	FRP

Environmental Specifications

Working Temperature	-40°C to +70°C
Working Humidity	d95%