

LinkAlign-60EBP-30

AUTO LINK ALIGNMENT AND MAINTENANCE FOR MILLIMETER WAVE LOS



The LinkAlign-60EBP-30 is a Power Over Ethernet (PoE) antenna positioner designed from the ground up to point and automatically peak directional side arm mount antennas for millimeter wave links up to 90GHz.

Millimeter wave radios specifically in the 60GHz to 80GHz range have very narrow beam widths which require very precise pointing and stable masts to maintain a link. Often these links come out of alignment or become less optimized due to thermal expansion of the tower, wind events, or other environmental conditions. The LinkAlign-60EBP-30 corrects for these disturbances to maintain the highest Quality of Service available without the down time and reoccurring cost due to manual realignment.

Once aligned, our software will maintain your link automatically based on an RSSI threshold setting or can be manually peaked on demand from anywhere on your network.

The LinkAlign-60EBP-30 is typically paired with 3 to 4 foot side arm mount antennas, payloads up to 300 lbs (136.07 kg), and offers +/-30° of azimuth and elevation range.

TECHNICAL SPECIFICATIONS - LinkAlign-60EBP-30	
Power	Power Over Ethernet (POE) 48VDC-56VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	60° (+/-30°)
Elevation	60° (+/-30°)
Positioner Drive Rate	
Azimuth	Variable, up to 0.47°/sec no load
Elevation	Variable, up to 0.47°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.01°
Backlash (Az / El)	less than 0.03° in both axes
Torque	
Operational (both axes)	150 ft-lbs (203.3 Nm)
Survival (both axes)	1500 ft-lbs (2033.7 Nm)
Payload	300 lbs (136.07 kg)
Dimensions	Height: 20.58" (52.3 cm), Width: 13.85" (35.2 cm), Depth*: 16.69" (42.4 cm)
Weight	100 lbs (45.4 kg)
Mounting Interface	Mounts to masts O.D. ranging from 3 - 4.5"
Antenna Mount Options	Qty six 5/8-11 threaded holes for side arm mount antennas (See ICD for details)
Communication Interface	
User Interfaces	Web based hosted internal to unit, Pelco D, or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Serial	RS-485

* Depth measured from center of a 4.5 in O.D. mast

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Specifications subject to change without notice