

LinkAlign-60EBP-20

AUTO ACQUISITION ANTENNA POSITIONER FOR MILLIMETER WAVE LINE OF SIGHT



The LinkAlign-60EBP-20 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 70–90GHz (E-Band) links.

E-Band systems have very narrow beam widths which require very precise pointing and stable masts to maintain a high quality 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-20 corrects for these disturbances to maintain the highest Quality of Service available without the down time and reoccurring cost due to manual realignment. Initially align your link using a smartphone, computer, or optional joystick. Once aligned, our software will maintain your link automatically based on an RSSI threshold setting or peaked on demand from anywhere on your network.

The LinkAlign-60EBP-20 is typically paired with 3 ft side arm mount antennas, payloads up to 200 lbs (90.7 kg), and offers +/-30° of azimuth and elevation range. Download the Interface Control Drawing (ICD) for details.

TECHNICAL SPECIFICATIONS - LinkAlign-60EBP-20	
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 0.7°/sec no load
Elevation	Variable, up to 0.7°/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 0.05° in both axes
Torque	
Operational (both axes)	150 ft-lbs (203.4 Nm)
Survival (both axes)	400 ft-lbs (542.3 Nm)
Payload	200 lbs (90.7 kg)
Dimensions	Height: 16.86" (42.8 cm), Width: 11.50" (29.2 cm), Depth*: 13.29" (33.8 cm)
Weight	51 lbs (23.0 kg)
Mounting Interface	Mounts to masts O.D. ranging from 3 - 4.5"
Antenna Mount Options	5/16-18 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

REV C

Specifications subject to change without notice