

# LinkAlign-360FER-10

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The LinkAlign-360FER-10 is a Power Over Ethernet (PoE) antenna positioner designed from the ground up to automatically point and peak directional antennas for microwave line of sight communications.

The built in GPS and digital compass with full featured web based user interface provides rapid and accurate antenna pointing. The user interface includes a stored locations database that allows easy recall of known target locations followed by a final auto peak using radio signal strength.

The LinkAlign-360FER-10 is typically paired with 1-2 ft antennas, payloads up to 45 lbs (20.4 kg), and offers 360° of azimuth & +120°/-20° of elevation range. Download the Interface Control Drawing (ICD) for more details.

Optional tri-pods, table top mount, radio adapter brackets, antenna adapter brackets, polarization rotators, joysticks, and transit cases are also available.

## TECHNICAL SPECIFICATIONS - LinkAlign-360FER-10

Power	Power Over Ethernet (POE) 48VDC-56VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	400° (+/-200°)
Elevation	140° (+120°/-20°)
Positioner Drive Rate	
Azimuth	Variable, up to 4.5°/sec no load
Elevation	Variable, up to 4.5°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.1°
Backlash (Az / El)	less than 0.25° in both axes
Torque	
Operational (both axes)	20 ft-lbs (27.1 Nm)
Survival (both axes)	50 ft-lbs (67.8 Nm)
Payload	45 lbs (20.4 kg)
Dimensions	Height: 13.08" (33.2 cm), Width: 8.59" (21.8 cm), Depth: 12.38" (31.4 cm)
Weight	21.0 lbs (9.5 kg)
Mounting Interface	Clamps standard to a 2" dia mast (5 cm). Optional table top mount available
Antenna Mount Options	1/4-20 thumb nuts (tool-less) and 5/16 clearance holes (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

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Specifications subject to change without notice