

LinkAlign-360FER-20

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The LinkAlign-360FER-20 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-20 is typically paired with 2-3 ft antennas, payloads up to 70 lbs (31.8 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-20

Power	
Power Over Ethernet (PoE)	50-57Vdc, 4 Pair PoE, Passive (Indoor Rated 50Vdc Supply Included)
Standby / Maximum Power Draw	<10W / 60W
Optional DC Input	20-60V
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	440° (+/-220°)
Elevation	140° (+120°/-20°)
Positioner Drive Rate	
Azimuth	Variable, up to 2.1°/sec no load
Elevation	Variable, up to 1.9°/sec no load
Temperature	
Operational ⁽¹⁾	-18 to 140°F (-28 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.1°
Backlash (Az/EI)	less than 0.15°
Torque	
Operational (EI) ⁽²⁾	60 ft-lbs (81.3 Nm)
Survival (Az/EI)	200 ft-lbs (271.2 Nm)
Payload	70 lbs (31.8 kg)
Dimensions	Height: 14.20" (36.07 cm), Width: 7.64" (19.41 cm), Depth: 9.88" (25.10 cm)
Weight	25 lbs (11.3 kg)
Mounting Interface	Clamps standard to a 2" dia mast (5 cm). Optional table top mount available
Antenna Mount Options	See ICD for details
Communication Interface	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Manual Button Function	Stow (Red Button), Acquire (Green Button), Compass Cal (Red & Green together)
Other	Satellite Modem and LoS Radio SNMP Interfaces for Acquisition and Peaking

⁽¹⁾ Minimum temperature specified at no load

⁽²⁾ Maximum operating torque may be reduced at temperatures below -23°C and/or with use of peripheral devices

Specifications subject to change without notice