

# LinkAlign-360MPT-11

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The LinkAlign-360MPT-11 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-360MPT-11 is typically paired with ~1 ft antennas, payloads up to 15 lbs (6.8 kg), and offers 360° of azimuth and +/-90° of elevation range. Download the Interface Control Drawing (ICDN900388) for more details.

Optional pole mounts, radio adapter brackets, antenna adapter brackets, polarization rotators, tripods, quadpods and transit cases are also available.

## TECHNICAL SPECIFICATIONS - LinkAlign-360MPT-11

<b>Power</b>	
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
<b>External Material / Finish</b>	Aluminum with stainless steel hardware / Hard coat anodize
<b>Positioner Travel</b>	
Azimuth	400° (+/-200°)
Elevation	180° (+/-90°)
<b>Positioner Drive Rate (Az/EI)</b>	Variable, up to 14°/sec max load
<b>Temperature</b>	
Operational <sup>(1)</sup>	-18 to 140°F (-28 to 60°C)
Non-Operational	-40 to 158°F (-40 to 70°C)
<b>Feedback Resolution</b>	0.1°
<b>Backlash (Az/EI)</b>	less than 1°
<b>Torque</b>	
Operational EI <sup>(2)</sup>	15 ft-lbs (20 Nm)
Holding Non-Powered (Az/EI)	10 ft-lbs (14 Nm)
<b>Payload</b>	15 lbs (6.8 kg)
<b>Dimensions</b>	Height: 8.86" (22.5 cm), Width: 9.20" (23.4 cm), Depth: 6.00" (15.2 cm)
<b>Weight</b>	14 lbs (6.4 kg)
<b>Mounting Interface</b>	Table top mount with optional 2" pole mount adapter (See ICD for details)
<b>Antenna Mount Options</b>	1/4-20 threaded holes or 1/4 fastener clearance holes (See ICD for details)
<b>Communication Interface</b>	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Optional Serial	RS-232
Optional Extended I/O	Up to 8 configurable digital inputs and 8 configurable digital outputs (See ICD for details)
Other	Satellite Modem and LoS Radio SNMP Interfaces for Acquisition and Peaking

<sup>(1)</sup> Minimum temperature specified at no load

<sup>(2)</sup> Maximum operating torque may be reduced at temperatures below -20°C and/or with use of peripheral devices

Specifications subject to change without notice