

# LinkAlign-60EBP-10

AUTO LINK MAINTENANCE FOR MICROWAVE OR MILLIMETER WAVE LoS



The LinkAlign-60EBP-10 is a Power Over Ethernet (PoE) antenna positioner designed from the ground up to point and automatically peak directional side arm mount antennas for Microwave frequencies between 11-29GHz as well as Millimeter wave bands between 30-90GHz (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-10 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 our full featured web based

user interface. 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-10 is typically paired with 1-2 ft side arm mount antennas, payloads up to 100 lbs (45.4 kg), and offers +/-30° of azimuth and elevation range. Optional GPS heading unit and antenna adapter brackets are available upon request. Download the Interface Control Drawing (ICDN900374) for details.

## TECHNICAL SPECIFICATIONS - LinkAlign-60EBP-10

|                                      |                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Power</b>                         |                                                                                            |
| Power Over Ethernet (PoE)            | 44-57Vdc, 2/4 Pair PoE, Passive (Indoor Rated 48Vdc Supply Included)                       |
| Standby / Maximum Power Draw         | <10W / 48W                                                                                 |
| Optional DC Input                    | 20-60V                                                                                     |
| <b>External Material / Finish</b>    | Aluminum with stainless steel hardware / Hard coat anodize                                 |
| <b>Positioner Travel (Az/EI)</b>     | 60° (+/-30°)                                                                               |
| <b>Positioner Drive Rate (Az/EI)</b> | Variable, up to 0.4°/sec no load                                                           |
| <b>Temperature</b>                   |                                                                                            |
| Operational <sup>(1)</sup>           | -22 to 140°F (-30 to 60°C)                                                                 |
| Survival                             | -40 to 158°F (-40 to 70°C)                                                                 |
| <b>Feedback Resolution</b>           | 0.01°                                                                                      |
| <b>Backlash (Az / EI)</b>            | less than 0.1° in both axes                                                                |
| <b>Torque</b>                        |                                                                                            |
| Operational (EI) <sup>(2)</sup>      | 25 ft-lbs (33.9 Nm)                                                                        |
| Survival (Az/EI)                     | 200 ft-lbs (271.2 Nm)                                                                      |
| <b>Payload</b>                       | 100 lbs (45.4 kg)                                                                          |
| <b>Dimensions</b>                    | Height: 11.81" (30.0 cm), Width: 10.25" (26.0 cm), Depth <sup>(3)</sup> : 10.79" (27.4 cm) |
| <b>Weight</b>                        | 40 lbs (18.1 kg)                                                                           |
| <b>Mounting Interface</b>            | Mounts to masts O.D. ranging from 3 - 4.5"                                                 |
| <b>Antenna Mount Options</b>         | 5/16-18 threaded holes for side arm mount antennas (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                                                                            |

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

Specifications subject to change without notice

<sup>(2)</sup> Maximum operating torque may be reduced at temperatures below -28°C and/or with use of peripheral devices

<sup>(3)</sup> Depth measured from center of a 4.5 in O.D. mast