

LinkAlign-ALTE

Auto Acquire LTE Extension



LinkAlign-ALTE is an auto acquire LTE extension tool for 3G/4G/LTE routers. The product offers six MIMO high gain directional antennas to improve operational distance between the network provider tower and subscriber. LinkAlign-ALTE is ideal for anyone who operates a cellular data network near or beyond the edge of coverage.

LinkAlign-ALTE will operate with any 3G/4G/LTE cellular router and auto negotiate the best high gain directional path back to a cellular carrier tower no matter where you deploy. This is accomplished by scanning each antenna and returning to the highest signal strength all without user intervention and no moving parts.

The system is powered using Power over Ethernet (PoE) and has a web based user interface for setup and maintenance.

LinkAlign-ALTE Provides:

- 3G/4G/LTE router service extension
- High gain directional LTE antenna array
- Auto tower locate on power up

System Details

Setup Time	Less than 5 minutes
Acquisition Time	Less than 2 minutes
User Interface	Auto Tower Acquire on power up
Remote User Interface	Web based user Interface (hosted on unit)
Router Interface	Ethernet

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Specifications subject to change without notice

RF Specifications

Number of antennas	6 identical directional MIMO antennas
Frequency Range	698--2700MHz
Gain	10 dBi
Max Power	50 watts
Impedance	50 ohm
Polarization	MIMO / Vertical and Horizontal
Coverage Azimuth	70 Deg (Per Antenna)
Beamwidth Elevation	65 Deg
VSWR	< 1.5

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Mechanical/Environmental Specifications

Weight	12 lbs (5.44 kg)
Cylindrical Volume	18" Dia x 12" tall
Mount Details	Mounts to 2 inch (5 cm) diameter pole
RF Connector	N-Type Female
Control/Power	Weather Tight RJ-45 PoE
Temperature	-40 to 140°F (-40 to 60°C)
Wind	65MPH
Shipping Size	L: 20" (50.8cm), W: 20" (50.8cm), D: 16" (40.64cm)
Shipping weight	23 lbs (10.43 kg)

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