

E-Link Antennas (71-86 GHz)

4G Evolution™ Series

- Next generation 70/80 GHz Long Range (1 ft / 0.3 m) and Extended Long Range (2 ft / 0.6 m) antennas
- Highly directional and secure 'pencil beam' transmission, enabling nearby links to be engineered in close proximity without interference

4G Evolution
Series

Next generation antennas

E-Band's 70/80 GHz point-to-point antennas offer the highest performance available. Complementing these antennas is an innovative mount whose design was driven by years of experience working with major 3G/4G carriers. The antenna mount is pre-assembled for easy deployment and the radio-to-antenna connection utilizes a slip-fit arrangement along with a latch-and-strike for securing the radio to the antenna.

E-Link applications

LTE/4G/WiMAX backhaul

Fiber Extension

Remote Storage Access

Disaster Recovery

Redundant Access/Network Diversity

Mobile Backhaul

Local Area Network Extension

Metropolitan Area Networks (MAN)

Antenna features & performance

- Available in 1 ft / 0.3m and 2 ft / 0.6m sizes
- For use in high density deployments where space and aesthetics are important
- Fully pre-assembled, ready to install
- Includes compact, rugged aluminum mount made with corrosion resistant materials and stainless steel hardware
- Meets FCC and ETSI electrical requirements
- Linear polarization and superior radiation efficiency
- Integrated quick connect slip-fit design
- Superior fine azimuth and elevation adjustment
- Optional sight alignment tool available
- Light weight (13 lbs/5.6 kg and 20 lbs/8.8 kg)

The logo for E-band communications. It features a large, stylized 'E' on the left, followed by the word 'band' in a lowercase, sans-serif font, and 'communications' in a smaller, lowercase, sans-serif font below it. A blue wave-like line curves around the 'E' and underlines the text.

Connecting a digital world.™

Specifications for 1ft / 0.3m Antenna (Model Number ANT-200-0030)

Electrical Specifications

Frequency	71-86 GHz
Polarization	Horizontal or Vertical
Beamwidth	0.8°
Cross Polarization Discrimination (XPD)	>35 dB
Gain, nominal	45 dBi
Front-to-Bank Ratio	>64 dB
Return Loss	15 dB
VSWR	1.4:1

Mechanical Specifications

Elevation Fine Adjustment Range	+30°/-10° or +10°/-30°
Azimuth Fine Adjustment Range	±8°
Mounting Pipe Diameter	2.3 - 4.5 in OD / 58 - 114 mm
Weight	12.6 lbs / 5.6 kg

Electrical Compliance

US	FCC Part 101.115
Europe	ETSI EN 302 217-4-2 v1.4.1 Class 3

Specifications for 2ft / 0.6 m Antenna (Model Number ANT-200-0060)

Electrical Specifications

Frequency	71-86 GHz
Polarization	Horizontal or Vertical
Beamwidth	0.5°
Cross Polarization Discrimination (XPD)	>35 dB
Gain, nominal dBi	52 dBi
Front-to-Bank Ratio	>64 dB
Return Loss	15 dB
VSWR	1.4:1

Mechanical Specifications

Elevation Fine Adjustment Range	+30°/-10° or +10°/-30°
Azimuth Fine Adjustment Range	±8°
Mounting Pipe Diameter	2.3 - 4.5 in OD / 58 - 114 mm
Weight	19.6 lbs / 8.8 kg

Electrical Compliance

US	FCC Part 101.115
Europe	ETSI EN 302 217-4-2 v1.4.1 Class 2

