



# Roadrunner™ Series

## 5G mmWave Repeater

### PRODUCT OVERVIEW

The ED2 Roadrunner™ 5G mmWave Repeater platform is perfect for any 5G mmWave network provider who wants to deliver great 5G coverage at the lowest cost per bit.

### FEATURES

- 5G mmWave Repeater
- Up to 50 dBm EIRP (depending on QAM)
- 28GHz (Bands n257 & n261) support
  - Other bands in progress
- Variable beamwidths available on service units from +/- 8° to +/- 45° beam width increases
- Highly efficient receive sensitivity
- Noise Figure (NF) – Gain (Ga) = -17 (based on 20 dBi gain antenna)
- Low noise figure < 3dB
- Low-complexity / low-cost high-gain dielectric waveguide antenna
- Dual-polarized DU and Service Unit (SU)
- Power platform from 1W up to 100W
- Support up to 1 GHz bandwidth
- <10 nano-second amplify-and-forward delay
- 90-280 VAC powers solution
- 17.5W power consumption
- IP65-rated
- Designed for rugged environments (-40° C to +65° C)



### BENEFITS

- Deliver 5G mmWave coverage
- Stronger ROI per bit/Hz network infrastructure
- High-power capability enables greater distance from gNb to DU
- Supports the major FR2 mmWave bands in service
- Provide coverage into multiple applications, from large public areas to city streets to very narrow areas
- DU capable of using relatively poor input signals
- Repeater solution does not add to the noise floor of the base station, or degrade the gNb performance
- High-data rate capability
- Support power requirements from low-power indoor coverage applications to outdoor network extension
- Transparent to the network
- Easy to provide power
- Low power consumption
- Enclosure resistant to dust and jets of water





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## Mechanical Dimensions (inches)

