



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 54 dBm EIRP
- 28GHz (Band n261) support
 - Other bands in progress
- Variable beamwidths available on service units from +/- 10° 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
- Up to 12 km from Donor Unit (DU) to gNb
- 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
- Nano-second amplify-and-forward delay
- Single 120VAC powers solution
- 17.5W power consumption
- Designed for rugged environments (-40° C to +85° C)

BENEFITS

- Deliver 5G mmWave coverage
- 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
- Provide strong 5G mmWave coverage 10 km or more from the gNb
- 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
- Indoor and outdoor form-factors





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