

Product Excellence

LTE Features

- LTE Advanced
- 4x4 Radio
- Dual Sector
- Mobility
- AAA Support
- Time synchronization
- End user services
 - Guaranteed bit rate
 - Layer 2 support
- Secured management interface
- Spectrum analyzer
- Listen before talk
- Dynamic Frequency Selection (DFS)

Your smart
aLTERNative for
5 GHz



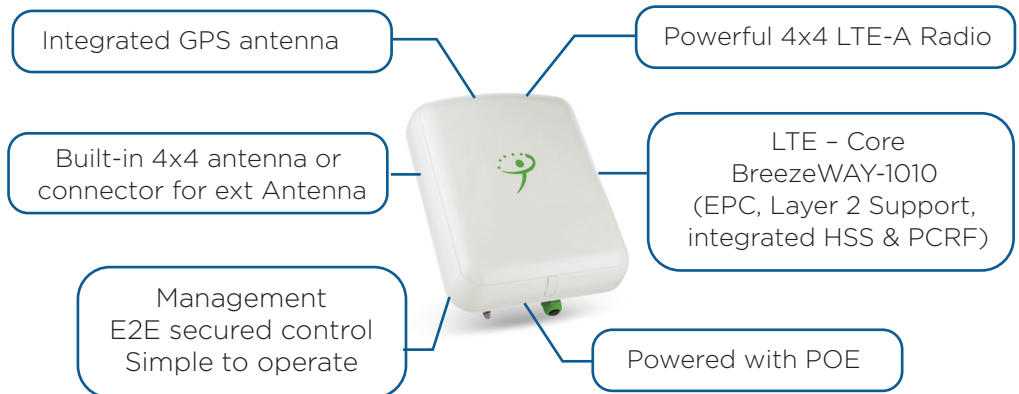
BreezeU-100 - unlicensed 5 GHz LTE

The BreezeU-100 is Telrad's revolutionary unlicensed LTE base station enabling any size customer to deploy a complete, fully standards-based LTE network.

The BreezeU-100 is an all-outdoor, simple-to-deploy solution, requiring minimal tower space and easily maintained by integrating multiple products into its simple "LTE-in-a-box" structure.



Innovative Unlicensed LTE-in-a-Box includes:



The BreezeU-100 network solution is fully featured and operates with the Telrad CPE8500, an LTE standard end user device. The CPE8500 is an outdoor device with an integrated directional antenna for high capacity and coverage.

The LTE Core network integrated the Telrad BreezeWAY-1010 EPC directly into the BreezeU-100 unit. The EPC is standards-based with additional unique features designed specifically for fixed wireless service providers such as PCRF (QoS), layer 2, and AAA/billing support. The product is managed with BreezeVIEW NMS, a secured system that supports the entire network for configuration, maintenance and performance monitoring of all the base station (eNodeB) and User Equipment (UE).

The BreezeU-100 fully coexists with Telrad's BreezeCOMPACT eNodeB, BreezeWAY EPC and BreezeVIEW NMS solution. It could be used as standalone 5 GHz deployment or as a capacity extension to existing BreezeCOMPACT networks.

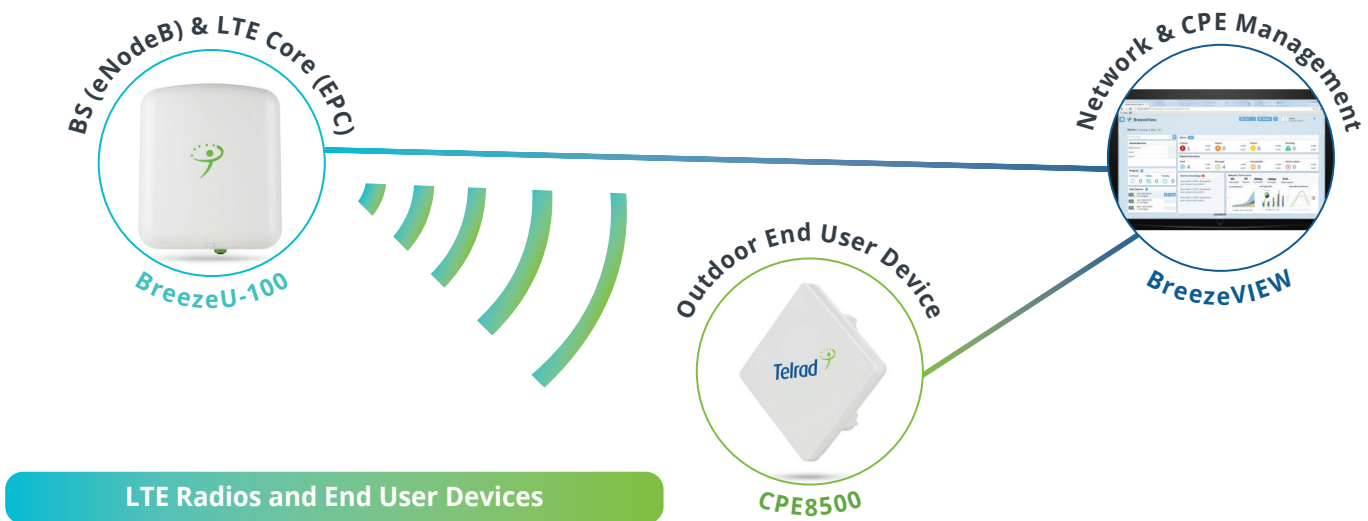
Product Specifications



BreezeU-100		LTE Features	
Frequency	5.150-5.850 or 4.9-5.25 GHz	Standard Compliance	3GPP LTE-Advanced Release 9/10
Radio Configuration	4TX x 4RX	EPC Interworking	BreezeWAY-2020 or 3rd Party EPC
Channel Bandwidth	5, 10, 15, 20 MHz	Mobility Support	Fixed, Nomadic and Mobile
Max Tx Power Per Port	20 dBm	Architecture	Full EPC - MME, SGW, PGW
Weight	12 kg 26 lbs	Added Value Package	iPCRF (QoS) Layer 2
Dimensions (HxWxL)	423 x 159 x 357 mm 16.6 x 6.2 x 14.0 in	Authorization & Billing	AAA or iHSS
Power Consumption	60W	Management	BreezeVIEW for base station and CPE management
Power Input (POE)	DC 40-60V or 100-240VAC		
Primary Interfaces	1G - Copper (RJ-45) + POE		
Antenna Gain	Integrate 17dBi or external		
GPS Support	Embedded		
LEDs	Power, Alarm, GPS		

End-to-End Unlicensed LTE

Management and LTE Core



Telrad Networks is a global provider of innovative LTE telecom solutions, boasting over 280 4G deployments in 100 countries. Telrad stands at the forefront of the technology evolution of next-generation TD-LTE solutions in the sub-6 GHz market. Since 1951, the company has been a recognized pioneer in the telecom industry, facilitating the connectivity needs of millions of end-users through operators, ISPs and enterprises around the world.

For more, please visit telrad.com or email sales@telrad.com.

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