Product Excellence

BreezeCOMPACT 1000

Operational Highlights

- All-in-one modem and radio, in a single box
- Software Defined Radio (SDR) 16e, LTE & LTE-Advanced
- TD-LTE Bands 42,43
- CBRS & 3.65 GHz (US)
- 4Tx4Rx Radio
- Flexible mounting options: rooftops, walls & poles
- Low power consumption

Radio Features

- Carrier aggregation
- Multi-User MIMO
- 4x4 MIMO
- Dual Sector
- Spectrum Analyzer
- DCS (for unlicensed bands)

Feature Highlights

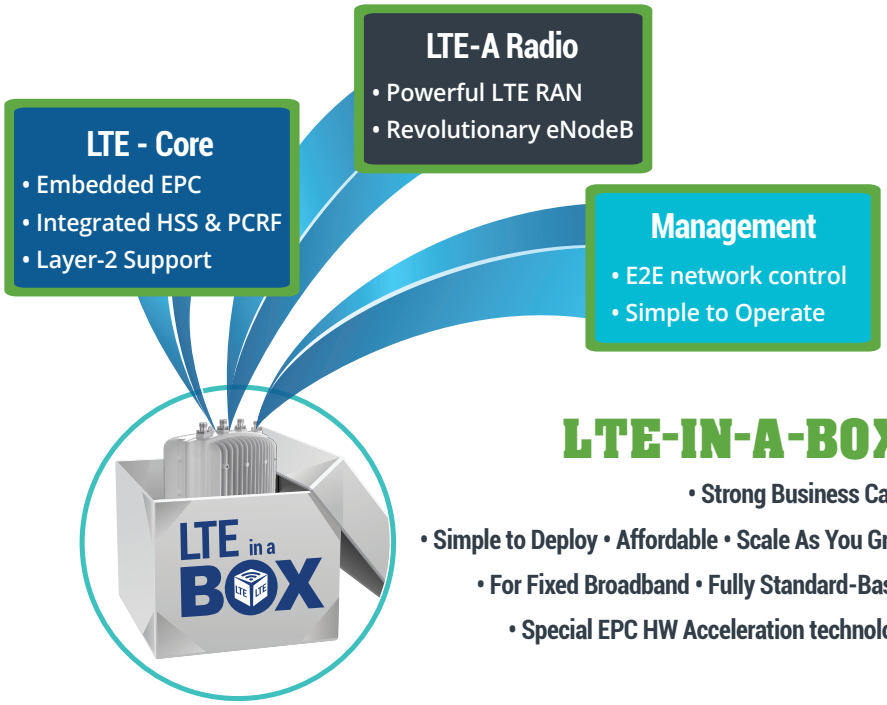
- PGW, SGW, MME
- HSS or AAA
- PCRF QoS
- Layer 2

Telrad
Get more from wireless.

The BreezeCOMPACT 1000 is Telrad's revolutionary software-defined base station that completely disrupts the economics of wireless broadband. From its future-proof ability to uptake dramatic capacity increases as LTE evolves, to its minimal footprint and outstanding performance and scalability, the BreezeCOMPACT 1000 has no peer in the market.

Small and elegant, yet rugged, the all-outdoor, high-capacity 4G broadband base station can be easily mounted on buildings, poles, rooftops, towers – in virtually any deployment scenario, with superior NLOS (No Line of Sight) using best in class 4Tx4Rx Radio.

BreezeWAY-1010 (LTE-in-a-Box) - is an "all-in-one" radio cell design, embedding EPC functionality directly into the BreezeCOMPACT eNodeB.



LTE-IN-A-BOX:

- Strong Business Case
- Simple to Deploy • Affordable • Scale As You Grow
- For Fixed Broadband • Fully Standard-Based
- Special EPC HW Acceleration technology

Product Specifications

BreezeCOMPACT 1000	
Frequency	Band 42, 43 (3.3-3.8 GHz)
Radio Configuration	4TX x 4RX
Max Tx Power Per Port	30 dBm (3.x GHz)
Weight	8 kg | 18 lbs
Dimensions (HxWxL)	310 x 165 x 240 mm | 12.2 x 6.5 x 9.5 in
Power Consumption	up to 100W
Primary Interfaces	1G - Copper (RJ-45) / Optical SFP 100M- Copper (RJ-45) GPS In/Chaining 48VDC
Mobility support	Fixed, Nomadic and mobile
Standard Compliance	3GPP LTE-Advanced & IEEE 802.16

LTE CORE - BreezeWAY 1010 – Embedded EPC	
Standard Compliancy	3GPP Rel.10
Architecture	Full EPC - MME, SGW, PGW
Added Value Packages	iHSS; iPCRF – enhanced QoS, Layer-2 Support, AAA and billing interworking
Capacity	500 users
Scalability	Distributed architecture, unlimited capacity/throughput at network scale
Management	Common management for BreezeCOMPACT and BreezeWAY1010

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.**

LTE-in-a-Box Innovation

Our revolutionary BreezeWAY-1010, also known as LTE-in-a-Box, integrates the EPC functionality directly to the eNodeB hardware. The first of its kind, this radical, innovative standards-based option is simple to deploy, affordable, and allows you to scale as you grow.

Compact Form Factor

BreezeCOMPACT is a Macro base station that packs superior performance into a small, single-box, small-footprint package. Never before has the 4G world seen such a revolutionary design – 8 kg weight, 30 km radius, and 20-minute (1-man) installation.

On-Target Deployment

BreezeCOMPACT offers the right connectivity, coverage and capacity for any deployment scenario. This all-outdoor base station is optimized for fixed, nomadic and mobile wireless access. Whether on a rural water tower or mounted to a tall urban building, we overcome some of the toughest NLOS challenges

Efficiency to the Max

BreezeCOMPACT maximizes cost and energy efficiency. A small footprint, low power consumption, and a quick, easy rollout make it the optimal choice for any deployment. Operators and ISPs of all sizes will benefit from reduced CAPEX and OPEX.

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