

## Product Excellence

### Operational Highlights

- Mobile, Portable & Fixed
- Residential & Enterprise
- High scalability from tens up to hundreds of thousands of subscribers
- LTE-in-a-Box - integrated EPC in eNodeB
- Distributed & Centralized network topologies
- Flexible service authorization, QoS & accounting
- Integrated turnkey carrier-class solution
- Multi-vendor interoperability
- Lowest total cost of ownership

### Technical Highlights

- Full Mobility support
- Multiple PDNs
- IPv4 and IPv6
- Integrated L2 Services
- GBR & non-GBR bearers
- Per-flow, policy-based QoS marking
- Time- & volume-based accounting
- NFV / SDN architecture
- Engineered for residential, business or private networks

**BreezeWAY is a highly scalable core with a superior set of features for any broadband wireless access business scenario.**

## BreezeWAY EPC



Telrad developed this unique LTE EPC gateway portfolio to target various Broadband Wireless Access business scenarios – service providers (B2B and B2C), industrial, and governmental networks. Telrad BreezeWAY includes the BreezeWAY 2020 and BreezeWAY 1010 Wireless Gateway products comprising MME, SGW, PGW, HSS, PCRF and other core functionalities that give operators control and management of the entire wireless network infrastructure.

Uniquely designed & tailored for best Total Cost of Ownership (TCO) for ANY size residential, business or private network

**BreezeWAY-2020** – is a small size yet powerful carrier-class EPC platform, designed using hardware accelerators specially-adapted for wireless core packet processing, for deployments either at cell-sites or in network centralized locations. A single BreezeWAY-2020 serves 10K connected subscribers and may easily scale up to hundreds of thousands of subscribers using a unique “cluster” functionality.


**BreezeWAY-1010** - is an “all-in-one” radio cell design, embedding EPC functionality directly into the BreezeCOMPACT eNodeB hardware, suitable for distributed core architecture serving up to 500 connected subscribers. The combination of BreezeCOMPACT and BreezeWAY-1010 makes a unique “LTE-in-a-Box” solution.



BreezeWAY 2020 and BreezeWAY 1010 are fully compatible to operate in the same network.

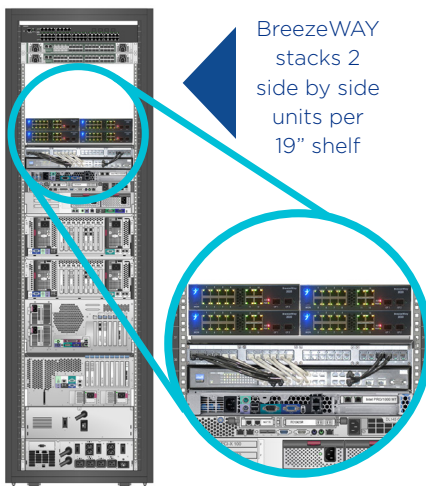


# Product Specifications

	BreezeWAY 2020	BreezeWAY 1010 
<b>Mechanics &amp; Environment</b>	Stand-alone 19" half-shelf 1U Unit, 198 x 44 x 350 mm	Embedded in BreezeCOMPACT hardware
<b>Service Availability</b>	Highly reliable HW – MTBF >15 years	
	Carrier-grade N+M redundancy and load-balancing	
<b>Standard compliance</b>	3GPP Rel.10	
<b>Architecture</b>	MME, SGW, PGW, iHSS, iPCRF	
<b>Capacity (per unit)</b>	Up to 10K connected subscribers	Up to 500 connected subscribers
<b>Scalability</b>	Distributed or Mini-Centralized Cluster architecture providing gradual scale-up and practically unlimited capacity/ throughput at network scale	Distributed architecture with unlimited capacity/ throughput at network scale
<b>Network connectivity</b>	12 x 1 Gigabit Eth (1000Base-T) 2 x 10 Gigabit Eth SFP+	BreezeCOMPACT interfaces
<b>Management</b>	Common BreezeVIEW Management Suite for entire Telrad LTE Product Portfolio	

## Highly scalable carrier-class core with superior features

- Variety of business models providing residential and enterprise services
- Powerful hardware design leveraging state-of-the-art NFV/SDN technologies
- All-in-one architecture simplifying network implementation & operation
- Scalability, deployment flexibility & optimized Total Cost of Ownership (TCO)
- Low entry point price model and license-based, scalable, pay-as-you-grow price structure



**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](http://telrad.com) or email [sales@telrad.com](mailto:sales@telrad.com).



## LTE-in-a-Box Innovation

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



## Efficiency to the Max

BreezeWAY technologies optimizes packet processing, bandwidth utilization and enhanced end-to-end QoS. The solution helps operators effectively manage their growing subscriber base with improved efficiency, simplified operation and increased service offering, maximizing VALUE & PROFITS.



## On-Target Deployments

BreezeWAY supports small to large deployments with a variety of subscriber types including mobile, residential, enterprise and pre/post-paid models. Additionally, the products enable control across the entire network to ensure a quality, uninterrupted, optimal broadband experience for all users.



## Right Choice – Now and for the Future

Telrad supports the connectivity needs of today and tomorrow, operating in distributed or centralized topologies and enabling convergence of broadband wireless fixed and mobile environments. With the evolving NFV/SDN architecture, Telrad is at the forefront of 4G broadband wireless.