BreezeWAY 1010

BreezeWAY 2020

EPC

Product Excellence

Operational Highlights

- Mobile, Portable & Fixed
- Residential & Enterprise
- High scalability from tens up to hundreds of thousands of subscribers
- Distributed & Centralized network topologies
- Flexible service authorization, QoS & accounting
- Simplified operation
- Integrated turnkey carrier-class solution
- Multi-vendor interoperability
- Unmatched, 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 with Embedded EPC functionality in 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 "network-in-a-box" solution.
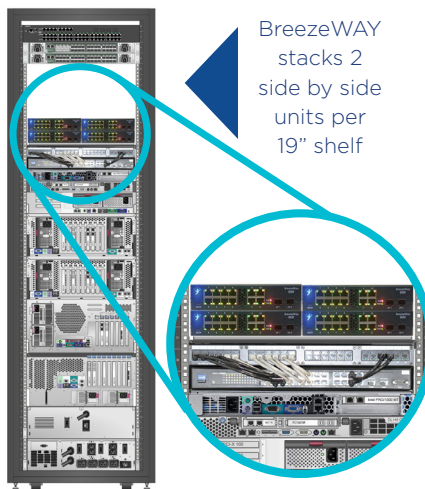
BreezeWAY 2020 and BreezeWAY 1010 are fully compatible to operate in the same network.

Telrad
We're on your wavelength.

Product Specifications

	BreezeWAY 2020	BreezeWAY 1010
Mechanics & Environment	Stand-alone 19" half-shelf 1U Unit, 198 x 44 x 350 mm	Embedded in BreezeCOMPACT hardware
Service Availability	Highly reliable HW – MTBF >15 years	
	Carrier-grade N+M redundancy and load-balancing	
Standard compliancy	3GPP Rel.10	
Architecture	MME, SGW, PGW, iHSS, iPCRF	
Capacity (per unit)	Up to 10K connected subscribers	Up to 500 connected subscribers
Scalability	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
Network connectivity	12 x 1 Gigabit Eth (1000Base-T) 2 x 10 Gigabit Eth SFP+	BreezeCOMPACT interfaces
Management	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

BreezeWAY stacks 2 side by side units per 19" shelf

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.vertical markets.

On-Target Deployments

BreezeWAY offers the flexibility to support 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.

Efficiency to the Max

BreezeWAY leverages the most cutting edge technologies to optimize 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.

Right Choice – Now and for the Future

Telrad has developed a future-oriented product that 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, supporting the rapid adoption of LTE networks and the growing demand of multimedia services.

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