



BreezeCOMPACT

Super-fast wireless broadband in a small box that's built for the next decade

All Outdoor, Small Footprint, High Capacity Wireless Broadband Base Stations

The BreezeCOMPACT System

- TD LTE-Advanced ready
- Multi-sector
- Multi-carrier
- High capacity: 2X4, 4X4
- Up to 500 MHz frequency span
- Wide frequency range: 400 MHz to 6 GHz
- All weather, all outdoor

The **BreezeCOMPACT** is a family of all-outdoor base stations for fixed, nomadic and mobile wireless access, for both outdoor and indoor applications. Complementing the 4Motion® solution, BreezeCOMPACT incorporates Telrad's advanced technologies for optimized coverage and capacity in a single, easy-to-deploy, small-footprint box. BreezeCOMPACT's small form factor and cost-efficiency makes it a great fit for budget-aware business environments.

Cost-effective CPE Deployment Scenarios

Indoor users have always been the main consumer of wireless broadband. In dense urban environments, the most costly part of the network is the site-related costs for the base station and CPEs.

- BreezeCOMPACT allows efficient outdoor CPE deployment scenarios in sub-urban and rural environments eliminating the cost associated with tower mounts and multiple radios on the mast. In addition, BreezeCOMPACT allows dense urban environment installations in capacity-oriented scenarios.
- BreezeCOMPACT complements macro deployments to enable coverage and capacity extension by utilizing cutting edge technologies
- The BreezeCOMPACT High Power allows operators to create additional deployment scenarios by providing direct indoor CPE coverage and eliminating the pricey site acquisition and installation costs associated with outdoor CPEs in crowded spaces.
- Easy, simple and flexible mounting capabilities. The single-box, all-in-one design supports a strong business case enabling operators to benefit from reduced CAPEX and OPEX.



On-target deployment scenarios



Small form factor with big results



Cost-efficiency translates to big value



Right choice for now and the future

Cutting Edge Radio

Highly scalable 2/4X4 unit enabling various configurations and enhanced coverage and capacity by utilizing 4th order diversity with scalable sector configurations up to 2 sectors with up to 4 carriers.

SDR (Software Defined Radio): A programmable multi-technology base station for personal and primary broadband access, incorporating a powerful high performance modem built to perform with the most demanding capacity requirements and future technology ready for TD LTE-Advanced.

Technical Highlights

- 4th order diversity MIMO
- Dual Carrier and Dual Sector operation
- 3.x GHz and 2.x GHz
- Data and GPS Chaining between sectors*
- External ASN-GW
- Full AlvariStar management suite
- External / Integral EPC
- PoE in/out power feed for BS/Backhaul
- GPS 1588 Sync*

Operational Highlights

- Software Defined Radio (SDR) 16e, 16e+, TD LTE-Advanced
- Zero footprint – All outdoor compact form factor
- All-in-one: modem and radio in a single box
- Mature, field-proven, 4Motion™ technology
- Flexible mounting options including rooftops, walls, poles, and towers with front-mounted antenna
- Diverse external and attached antenna support

*Roadmap item

Specifications

	COMPACT	COMPACT High Power	COMPACT Advanced
Frequency	3.3 – 3.8 GHz	3.4 – 3.6 GHz	2.496-2.690GHz
Radio Configuration	4TX x 4RX	2TX x 4RX	4TX x 4RX
Transmit Power	30dBm (Per Port) 36dbm (Aggregated)	37dBm (Per Port) 40dbm (Aggregated)	40dBm (Per Port) 46dbm (Aggregated)
Weight	8 kg	19 kg	19 kg
Dimensions	242.7 x 343 x 166.9 mm	510 x 280 x 210 mm	260 x 365 x 310 mm
Configuration	Modem & Radio	Modem & Radio	Modem & Radio
Power Consumption	100W	186W	~ 200W
Sector Configuration:	Single Sector Dual Sector Dual Carrier	1 Sector 1 Carrier	Single Sector Dual Sector Dual Carrier
Primary Interfaces	1 x RJ-45 1Gb Copper 1 x RJ-45 1Gb Optical SFP GPS In/Out 48VDC	1 x RJ-45 1Gb Copper 1 x RJ-45 1Gb Optical GPS In/Out 48VDC	1 x RJ-45 1Gb Copper 1 x RJ-45 1Gb Optical GPS In/Out 48VDC
Standard Compliance	3GPP ETSI FCC IC	3GPP ETSI	3GPP ETSI FCC

About Telrad

Telrad Networks is a global 4G solution provider with hundreds of commercial 4G deployments. Telrad delivers industry-leading network solutions for broadband wireless, LTE-Advanced and WiMAX to telecom operators, enterprises and WISPs worldwide. Telrad Networks is committed to delivering best-of-breed products, service and support to our customers, and is backed by Fortissimo Capital, a group of private equity funds with nearly \$500 million under management.



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