

Dual Mode CPE

CPE7000 Series

Future-proof, Dual-Mode
Advanced CPEs



4G Innovation for Today... and for the Future



We're on your wavelength.

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CPE7000 Series

As the wireless industry evolves, operators are seeking ways to bridge the gap between mobile and fixed 4G networks. Without the right strategy, technology transitions are expensive, wasting valuable time and resources. The deployment of a cost-effective, dual mode ecosystem ensures the smoothest migration from WiMAX to LTE platforms. That's why operators and ISPs are turning Telrad Networks, working with our flagship, dual mode BreezeCOMPACT base station. The Dual Mode CPE7000 Series helps to protect operator investments in the deployment of a future-ready, 4G wireless broadband network.

Cost-Efficient, High Performance 4G CPE

The Dual Mode CPE7000 Series consists of flexible, multi-platform CPE units, designed to deliver extended coverage and high data throughput for virtually any deployment scenario. The CPE7000 Indoor, CPE7000 Outdoor, and CPE7001 units all support a wide range of connectivity needs, and can be optimized for a triple-play service offering on WiMAX or LTE platforms.



CPE7000
Indoor



CPE7000
Outdoor



CPE7001



On-Target Deployment Scenarios

The Dual Mode CPE7000 Series units are some of the newest, most unique CPEs on the market. Not only do they incorporate time-tested technology that serves virtually any deployment scenario, ranging from dense urban, urban, suburban, and rural areas, but they are also designed to operate on either LTE or WiMAX platforms, providing operators with flexibility and future-proofed selections.



Performance to the Max

The Dual Mode CPE7000 units offer extended coverage and high data throughput, while maximizing cost and energy efficiency. Designed to address residential or enterprise needs, the CPE solution offers Quality of Service (QoS) management, flexible voice, data and WiFi configurations, as well as a carrier-class network management system to enable rapid expansions and effective fault management for quick resolution.

Expertise and experience

Telrad technology has led in an **evolution of wireless communications**, providing cutting edge solutions for operators around the world. Leveraging years of field experience and expertise, Telrad fulfills the requirements of service providers with high-speed connectivity and extended coverage. Our CPE7000 Series is ideal for delivering **voice and data to almost any environment**, with the unique ability to operate on either WiMAX or TD-LTE platforms. No other solution in the market offers the same level of **protection of the operator investment**, while helping them plan and execute a future-proofed **migration plan to LTE**.

CPE7000 Indoor

Designed for the fastest and easiest plug-and-play installation, the CPE7000 Indoor units support either WiMAX or TD-LTE platforms, with the following benefits:

- Dual Mode WiMAX/LTE solution enabling transition from WiMAX to TD-LTE
- TD-LTE – 3GPP Release 9, UE Category 4
- Two Data ports, One VoIP port
- Internal Antenna 5dBi
- Integral WiFi AP 802.11 b, g, n
- Easy installation saves time and money
- Device management – Web and TR69

CPE7000 Outdoor

The CPE7000 Outdoor is a premium unit designed to support a seamless migration from WiMAX and TD-LTE. The cost-effective, rugged CPEs support both Data and VoIP, offering the following benefits:

- Dual Mode WiMAX/LTE solution enabling transition from WiMAX to TD-LTE
- TD-LTE – 3GPP Release 9, UE Category 4
- One Data port, one VoIP port
- High gain 15dBi embedded Antenna
- Easy installation saves time and money
- Device Management – Web and TR69
- IP67 environmental rating - fully ruggedized - suitable for the harshest outdoor deployment scenarios

CPE7001

This future-proof, dual mode CPE has a light-weight & elegant design suited to residential customers. With its high gain antenna capabilities, it outpowers most indoor CPEs and can be mounted in outside conditions.

- Dual Mode WiMAX/LTE solution enabling transition from WiMAX to TD-LTE
- TD-LTE – 3GPP Release 9, UE Category 4
- One Data port
- High gain residential CPE to suit moderate outside conditions
- Powerful Integrated 12dBi Antenna
- Outside mounting enabling better positioning and spectral efficiency.
- IP54 environmental rating (protected against dust and splashing water)
- External WiFi AP 802.11 b, g, n

Simplicity, high-speed and efficiency

Customers benefit from a high performance solution that is simple to install, maintain and operate – helping to reduce CAPEX and OPEX. The advanced indoor/outdoor options operate in a range of frequency bands including the primary WiMAX 2.x and 3.x GHz bands. The product family is interoperable with our flagship dual mode BreezeCOMPACT base station, delivering a cost-effective, extended coverage 4G network solution. The high throughput and transmit power of the CPEs combine with the small tower footprint and high capacity of the BreezeCOMPACT, reducing the density of base stations required in a network layout, enabling faster, more affordable 4G deployments.



Right Choice – Future-Proof Migration

Telrad's dual mode CPE devices deliver the highest quality connectivity – with a selection of indoor and outdoor units, Telrad meets the connectivity needs of today and tomorrow. It is the optimal solution for high-speed data connectivity enabling operators to deploy and support services on the WiMAX platform and migrate to LTE at their own pace – all from the same hardware. Working with our flagship, dual mode BreezeCOMPACT base station, our CPE7000 family ensures the smoothest migration, while protecting and future-proofing operator investments.



Easy-to-Install - Fast Roll-Out

Telrad's CPEs eliminate complicated time-consuming installations. Whether indoor, outdoor, or a combination, the Dual Mode CPE7000 solutions are easily and quickly installed. Utilizing innovative design features such as LED lights to indicate the most accurate signal alignment, small form factors, Power over Ethernet (POE) options and built-in web based configuration, a quick and efficient installation is ensured. Indoor units allow for a plug-&-play install that can be done by anyone – it's a cinch. With Telrad, operators achieve fast time to market and revenue.