

Product Excellence

CPE7000 Indoor

- Fastest and easiest plug-and-play installation
- 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
- Device management – Web and TR69

CPE7000 Outdoor

- Cost-effective, rugged CPEs
- Dual Mode WiMAX/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
- Optional indoor Wifi POE

CPE7000 Dual Mode Series

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 and CPE7000 Outdoor units support a wide range of connectivity needs, and can be optimized for a triple-play service offering on WiMAX or LTE platforms.



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.

Cost-Efficient, High Performance 4G CPE

Simplicity, high-speed and efficiency

This high performance solution 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.

The **high throughput and transmit power** of the CPEs combine with the small tower footprint and high capacity of our flagship BreezeCOMPACT base stations - reducing the density of base stations required in a network layout and enabling **faster, more affordable 4G deployments**.

WiMAX & LTE Specifications

LTE Interface		WiMAX Interface	
Standard Compliance	3GPP Rev. 9, UE Cat 4	Standard Compliance	IEEE 802.16e-2005
Duplex Mode	TDD	Duplex Mode	TDD
Frequency Bands	40, 41, 42, 43	Frequency Bands	
Channel bandwidth	5, 10, 20	2.x GHz	2.3-2.4 or 2.5-2.7 GHz
Modulation	QPSK, 16QAM, 64QAM	3.x GHz	3.4-3.6 or 3.6-3.8 GHz
L1	MIMO	Channel bandwidth	5, 7, 10 MHz
L2 & L3	Multiple APN	Modulation	QPSK, 16QAM, 64QAM
	PLMN and Cell Selection	PHY	MIMO A/B
Authentication	USIM	Mac	IP and Eth CS
	SIM function (1.8V and 3.3V SIM and USIM card)	Authentication	EAP-TTLS, EAP-TLS
QoS	Non-GBR, GBR	QoS	BE, UGS, rtPS, ertPS, nrtPS

CPE Specifications

	CPE7000 Indoor	CPE7000 Outdoor
Dimensions (HxWxD)	184 x 153 x 54.3 mm	260 x 250 x 80 mm
	7.2 x 6.0 x 2.1 in	10.2 x 9.8 x 3.1 in
Weight	.4 Kg .9 lbs	1.2 Kg 2.6 lbs
Physical Interface	LAN - 1x10/100 Base-Tport	LAN - 1x10/100 Base-Tport
	Voice - 1xRJ11	Voice - 2xRJ11
	SIM - 1.8V and 3.3V	SIM - 1.8V and 3.3V
Maximum Transmit Power	23+/-2 dBm (3GPP Restriction)	23+/-2 dBm (3GPP Restriction)
Antenna	1TX/2RX, 5 dBi	1TX/2RX, 15dBi
Power Source	100~240VAC	100~240VAC
Environmental	Indoor	IP67
Operating Temperature	0° to 40° C 32° to 104° F	-40° to 55 C -40° to 131° F
Humidity	0% to 95% non-condensing	5% to 95% non-condensing

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.



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.



Performance to the Max

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



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.

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We're on your wavelength.