



LTE Series

Fixed Wireless Access LTE CPE

Fixed Wireless Access is an alternative means for providing connectivity over existing LTE mobile networks using 4G/5G LTE technology, enabling service providers to quickly increase revenues by expanding service areas to reach new untapped markets in suburban and rural areas such to public locations, homes and offices. Fixed wireless access is also an ideal second WAN solution for subscribers that require reliable, uninterrupted network connectivity

The ZyXEL LTE Series indoor and outdoor CPE enables service providers to deploy wireless broadband internet connectivity in rural and remote areas where deployment of DSL, cable and fiber is cost prohibitive. The ZyXEL LTE Series products support both bridge and router functions to maximize flexibility in deployment and incorporate high-gain antennas for better signal performance in different deployment scenarios.

The ZyXEL LTE Series of Fixed Wireless Access LTE CPE includes:

- **LTE5388 LTE CAT16 CBRS Indoor CPE**
- **LTE7461 LTE Multi-licensed Band Outdoor CPE**
- **LTE7480 LTE CAT16 CBRS Outdoor CPE**
- **LTE7485 LTE CAT16 High-Power CBRS Outdoor CPE**



Download speeds of up to 580 Mbps*, UE cat-16,B48



Built-In 2x2 or 4x4 MIMO, high-gain antenna of up to 8 or 10 dBi per element



Standard 802.3af/at Power over Ethernet (PoE)



IP68 hardened enclosure with industrial grade components



Embedded bridge/router mode



Remote throughput testing



Mobile apps (iOS and Android)

Benefits

Deliver Better Quality than WiFi

LTE5388, LTE7480 and LTE7485 utilize CBRS technology to provide expanded capacity without the complexity of sharing the band with WiFi. Carrier aggregation allows 10 MHz channels to be combined to increase data rates and unlicensed GAA frequencies can be used to transport signal and data traffic. In both cases, network quality delivered by an LTE-based solution is better than that of WiFi. CBRS allows cable operators to enter the wireless industry by deploying LTE networks to effectively become Mobile Virtual Network Operators (MVNOs).

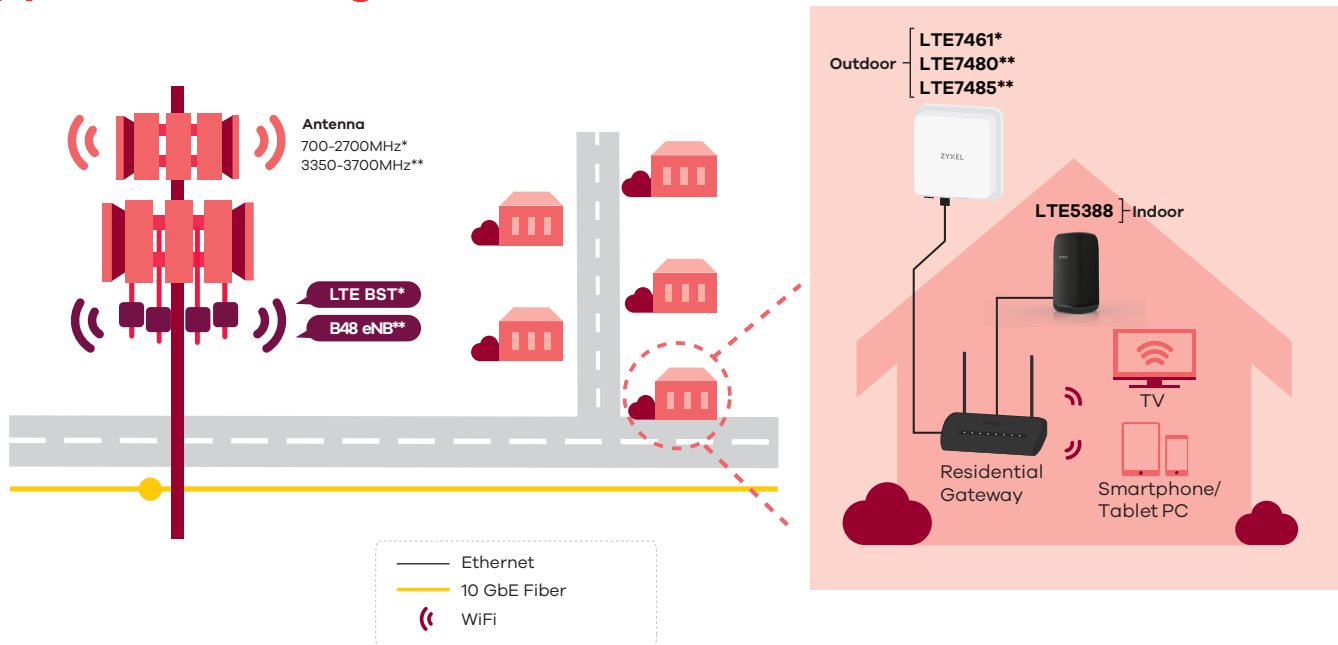
Designed to Deploy in Harsh Environments

Designed to be easily deployed and integrated into existing network environments, LTE7461, LTE7480 and LTE7485 outdoor CPEs are housed in robust IP68 enclosures to protect them from damage from harmful dust and water when deployed in harsh outdoor environments.

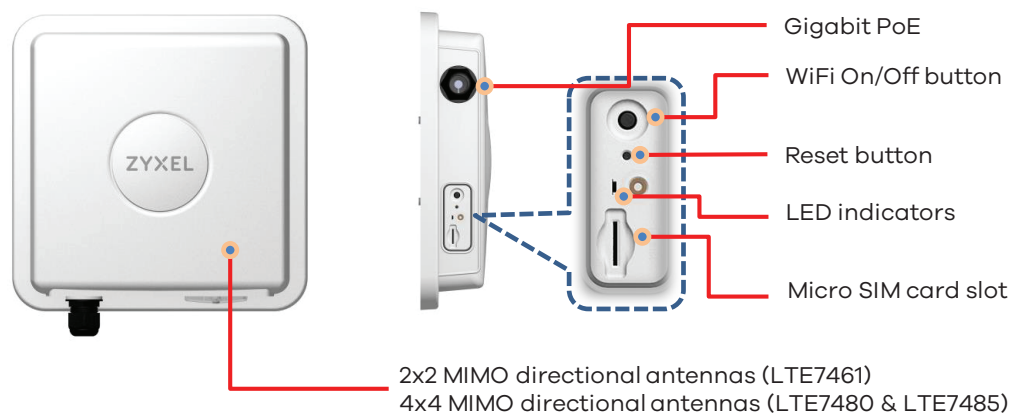
Ease of Deployment and Management

Zyxel Band Pilot Cloud-Based Management System allows operators to remotely monitor, troubleshoot, upgrade firmware, and run TR-143 speed tests. LTE Mobile App for Android and iOS enables operators to set up, manage and monitor CPE from a mobile device.

Applications Diagram



Interface Description



Product Comparison

	Indoor	Outdoor		
	LTE5388	LTE7461	LTE7480	LTE7485
LTE Band	B48 (B42/43)*	2/4/5/7/12/13/ 25/26/29/66	B48 (B42/43)*	B48 (B42/43)*
Category	CAT-16	CAT-6	CAT-16	CAT-16
Max DL/UL (PHY)	580/30 Mbps (TDD Config. 2)	300/50 Mbps	580/30 Mbps (TDD Config. 2)	580/30 Mbps (TDD Config. 2)
Output power (max. TX EIRP)	36 dBm (CBRS EUD)	30 dBm	23 dBm (CBRS EUD)	36 dBm (CBSD Cat. B)
MIMO/Antenna	4x4	2x2	4x4	4x4
Operating Mode	Bridge & Router	Bridge & Router	Bridge & Router	Bridge & Router
GUI	Responsive	Responsive	Responsive	Responsive
Remote Management	TR069/TR-143 & Zyxel Band Pilot	TR069/TR-143 & Zyxel Band Pilot	TR069/TR-143 & Zyxel Band Pilot	TR069/TR-143 & Zyxel Band Pilot
Mobile App	Yes	Yes	Yes	Yes
Enclosure	Indoor	IP68	IP68	IP68
Availability	August 2020	GA	GA	July 2020

*The listed connection rate is the theoretical maximum. The actual data transfer rate will vary depending on the network environment.

For more product information, visit us on the web at www.zyxel.com

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