ZYXEL
COMMUNICATIONS

CBRS
SOLUTION GUIDE

CBRS/LTE

Multi-Gig

WiFi6

MultyPro

5G

| Device Name | **LTE CAT16 CBRS Outdoor CPE** |
| Model Name | **LTE7480** |

Designed for Fixed Wireless Access deployments, Zyxel LTE7480 LTE CAT16 CBRS Outdoor CPE Band 48 EUD enables service providers to deliver broadband Internet connectivity over existing LTE mobile networks. Ideal for delivering wireless broadband wireless access to sub-urban areas, rural areas, public locations, homes and offices, LTE7480 supports router and bridge modes, incorporates 10 dBi high-gain antennas for better signal performance, and features a robust IP68 housing for deployment in harsh environments.

Lightning-fast Internet Connectivity

LTE7480 employs 3GPP UE downlink Category 16, the best-practice LTE technology, to deliver downlink data rates up to 580 Mbps through eight spatial streams on two component carriers.

High-Gain Antennas

LTE7480 features 4x4 MIMO high-gain antennas which provide up to 10dBi gain per element. The outdoor design increases coverage and bandwidth under near non-line-of-sight conditions.

Remote Management

LTE7480 supports TR-069, remote GUI and remote FTP to simplify remote configuration, software upgrades, and network management. The cloud-based Band Pilot LTE management system makes it easy for service providers to remotely configure, monitor, manage and diagnose CPE. TR-143 enables operators to perform remote throughput testing. TR-069 support for the TR-181 issue-2 data model provides operators with enhanced visibility on subscriber LAN networks for improved customer assistance.

Easy Installation

LTE7480 is easily installed on a wall or pole and features integrated 802.3af/at PoE PD (power device) support eliminating the need to locate the device near a power source. Zyxel LTE MobileApp for Android and iOS enables service providers to set up, manage and monitor customer CPE from a mobile device.
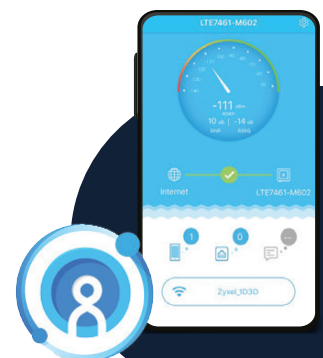
Device Name

LTE CAT16 High Power CBRS Outdoor CPE

Model Name

LTE7485

The Zyxel LTE7485 LTE CAT16 High Power CBRS Outdoor CPE Band 48 CBSD Category B enables service providers to de- liver fixed wireless broadband over extended distances utilizing existing LTE mobile networks. LTE7485 supports router and bridge modes, incorporates 13 dBi high-gain antennas for better signal performance, and features a robust IP68 housing for deployment in harsh environments.

Lightning-fast Internet Connectivity

LTE7485 employs 3GPP UE downlink Category 16, the best-practice LTE technology, to deliver downlink data rates up to 580 Mbps through eight spatial streams on two component carriers.
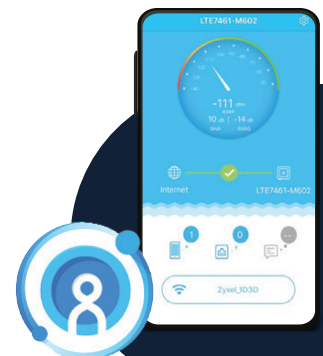
Extended Range

LTE7485 transmits at a maximum EIRP of 36dBm to enable high speed connectivity over longer distances. High-gain 4x4 MIMO antennas combined with the outdoor design enables LTE7485 to provide increased coverage and bandwidth under line-of-sight conditions.

Remote Management

LTE7485 supports TR-069, remote GUI and remote FTP to simplify remote configuration, software upgrades, and network management. The cloud-based Band Pilot LTE management system makes it easy for service providers to remotely configure, monitor, manage and diagnose CPE. TR-143 enables operators to perform remote throughput testing with better efficiency. TR-069 support for TR-181 issue-2 provides operators with enhanced visibility on subscriber LAN networks for improved customer assistance.

Easy Installation

LTE7485 is easily installed on a wall or pole and features integrated 802.3af/at PoE PD (power device) support eliminating the need to locate the device near a power source. Zyxel LTE MobileApp for Android and iOS enables service providers to set up, manage and monitor customer CPE from a mobile device.
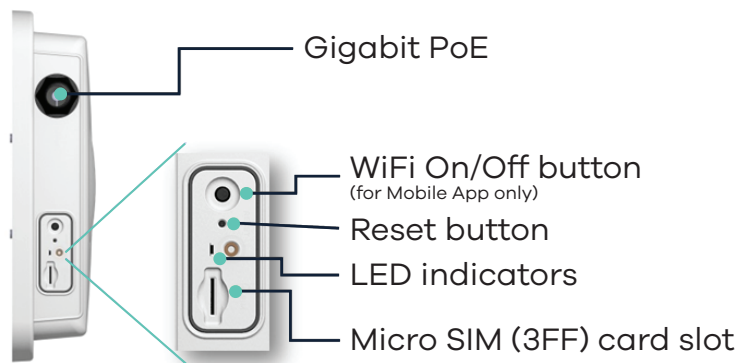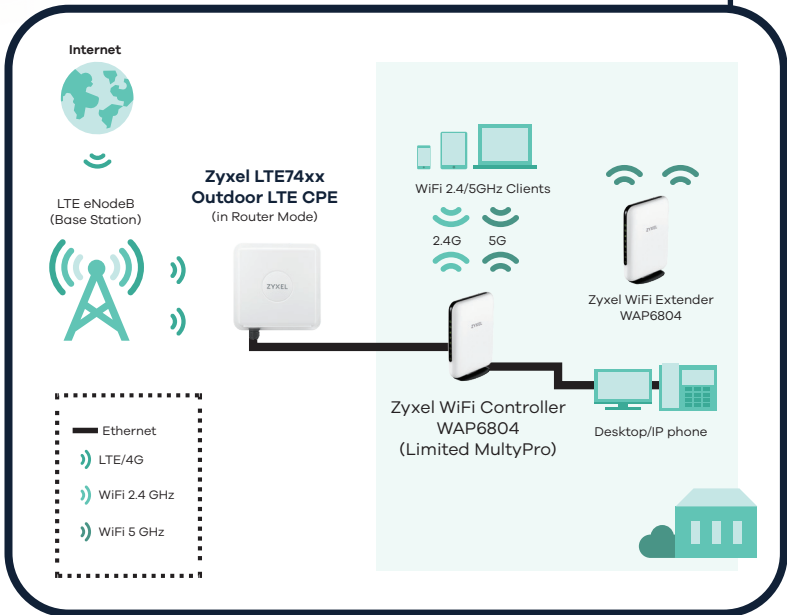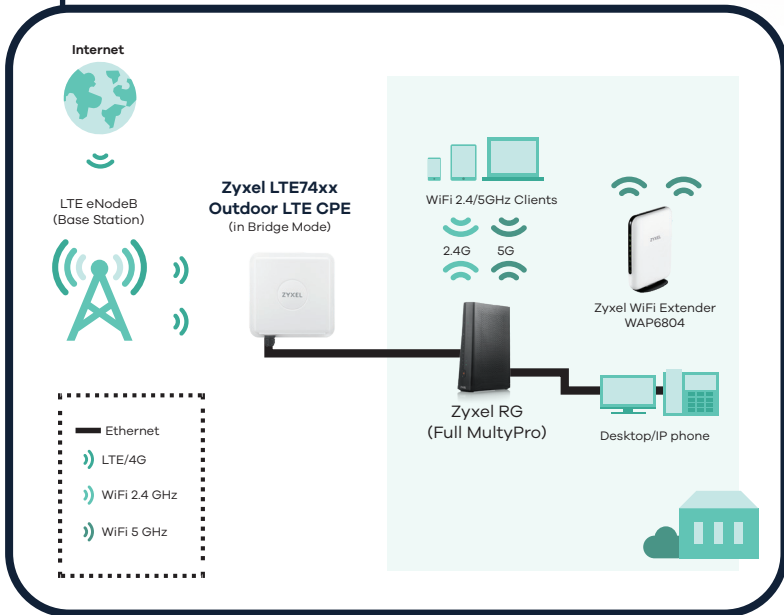
LTE7480

LTE7485

Bridge Mode

Internet

LTE eNodeB
(Base Station)

**Zyxel LTE74xx
Outdoor LTE CPE**
(in Bridge Mode)

WiFi 2.4/5GHz Clients

2.4G   5G

Zyxel WiFi Extender
WAP6804

Zyxel RG
(Full MultyPro)

Desktop/IP phone

— Ethernet
))) LTE/4G
))) WiFi 2.4 GHz
))) WiFi 5 GHz

Router Mode

Internet

LTE eNodeB
(Base Station)

**Zyxel LTE74xx
Outdoor LTE CPE**
(in Router Mode)

WiFi 2.4/5GHz Clients

2.4G   5G

Zyxel WiFi Extender
WAP6804

Zyxel WiFi Controller
WAP6804
(Limited MultyPro)

Desktop/IP phone

— Ethernet
))) LTE/4G
))) WiFi 2.4 GHz
))) WiFi 5 GHz

Gigabit PoE

WiFi On/Off button
(for Mobile App only)

Reset button

LED indicators

Micro SIM (3FF) card slot

4x4 MIMO high gain directional antennas

| Device Name | **LTE CAT16 CBRS Indoor CPE** |

| Model Name | **LTE5388** |

Designed for Fixed Wireless Access deployments, the Zyxel LTE5388 LTE CAT16 CBRS Indoor CPE Band 48 EUD enables service providers to deliver broadband Internet connectivity over existing LTE mobile networks. Ideal for delivering broadband wireless access to homes and offices in urban and suburban areas, the LTE5388-S905 supports router and bridge modes, and incorporates omni-directional antennas for better signal performance.

Lightning-fast Internet Connectivity

LTE5388 employs 3GPP UE downlink Category 16, the best-practice LTE technology, to deliver downlink data rates up to 580 Mbps through eight spatial streams on two component carriers. A Gigabit Ethernet port provides a high-speed connection to the LAN.

Omni-directional Antennas

LTE5388 features omni-directional 4x4 MIMO antennas to ensure reliable, high-speed connectivity with LTE mobile networks from within the home or office.

Remote Management

LTE5388 supports TR-069, remote GUI and remote FTP to simplify remote configuration, software upgrades, and network management. The cloud-based Band Pilot LTE management system makes it easy for service providers to remotely configure, monitor, manage and diagnose CPE. TR-143 enables operators to perform remote throughput testing with better efficiency. TR-069 support for the TR-181 issue-2 data model provides operators with enhanced visibility on subscriber LAN networks for improved customer assistance.

Easy Installation

Zyxel LTE MobileApp for Android and iOS enables service providers to set up, manage and monitor the LTE5388 from a mobile device.
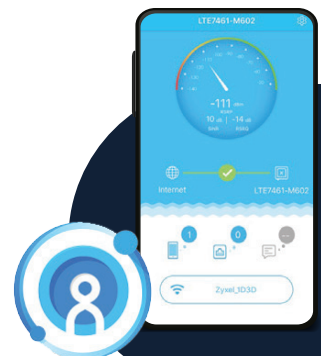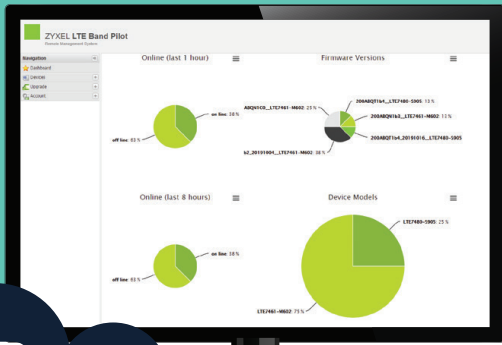
Device Name — **Band Pilot Cloud-Based Management System**

Model Name — **Band Pilot**

Zyxel Band Pilot Cloud-Based Management System is a cloud-based remote management system designed to help service providers remotely manage Zyxel 5G/LTE CPE products. Band Pilot allows operators to provide subscribers with more reliable networks and better internet connectivity through the use of features which include: remote troubleshooting, monitoring online status of all devices, RF performance history tracking, remote firmware upgrades, and TR-143 speed tests.

Powerful, Intuitive Dashboard

Operators can quickly view information on CPE devices, models and firmware versions. A histogram provides graphic hourly/daily/weekly/monthly RF performance history detailing information including RSRP, RSSI, RSRQ and SINR.

Remote Management of CPE Firmware

Firmware upgrade function allows operators to install firmware for individual or multiple devices and manage the status of all upgrade tasks.

Remote Troubleshooting

TR-143-based download/upload speed tests and diagnostic tools such as ping, traceroute, reboot, and reset functions enable operators to provide more efficient and responsive customer support to their subscribers. These functions shorten operators' response times to subscriber complaints and reduce the time and expense of dispatching technicians for onsite troubleshooting.

About Zyxel Communications

Zyxel, a pioneer in IP technology for over 30 years, provides a complete portfolio of multi-service LTE, fiber and DSL broadband gateways, home connectivity solutions, smart home devices and enterprise-class Ethernet switches, security and WiFi equipment for small to mid-size business. Zyxel offers integrated, interoperable network solutions based on open standards. Headquartered in Anaheim, California, Zyxel offers its partners service-rich solutions backed by a domestic team of logistic, sales, and technical support professionals.

Local Service & Support

Zyxel's North American headquarters are in Southern California where customers are supported by a team of experienced engineers and executives that include sales, logistics and technical support teams.

Please contact us for more information: **broadband@zyxel.com**

Visit us on the web at **www.zyxel.com**

MOBILITY
Revolutionizing IoT and Smart Home