



## LTE Outdoor CPE

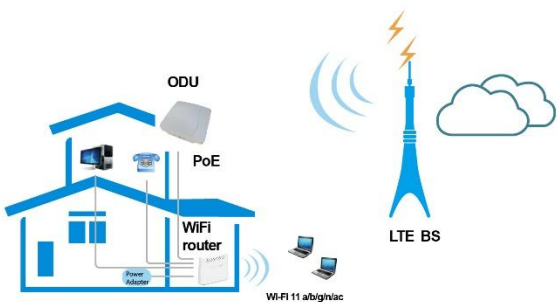
3GPP Release 10/11  
 CAT6  
 Global LTE Bands  
 High gain antenna  
 IP65

**WRT-310** is a highly advanced LTE outdoor multi-service product solution specifically designed to meet integrated data needs for residential, business and enterprise users. The Outdoor CPE is able to integrate with a Wi-Fi router, and together with software remote control and upgrades, thus may therefore facilitate operators to improve transmission efficiency to deliver long-range wireless broadband services to domestic homes or even business private lines, and easy to deploy. With the aid of Installation Assistant APP, it greatly facilitates the CPE installation, reduces installation time.



### Topology

Fixed Wireless Broadband  
 Last Mile Access  
 Mission-critical, performance-intensive networks  
 Urban and Rural Environments



## Hardware Function

<b>Cellular Bands</b> * Pls contact technical team for final band customization	<b>FDD:</b>	B1/3/7/8/20/28
	<b>TDD:</b>	B38/40/41/42/43/48
<b>Chipset</b>	GCT GDM7243QT	
<b>Category</b>	Rel-10/11 Category 6	
<b>External port</b>	1 x 1G Ethernet port 1 x SIM Slot (2FF) 1 x Reset	
<b>LED</b>	1 x Power indicator 1 x Network status indicator 1 x Tri-color Signal indicator 1 x SIM indicator	
<b>Antenna</b>	4 x Built-in LTE Antenna	
	<b>Full Band</b>	<b>Narrow Band</b>
<b>Antenna Gain</b>	700M~1G 0dBi 1.7G~2.1G 5dBi 2.3 G~2.7G 6dBi 3.4G~3.8G 7dBi	3.4G~3.8G 11dBi
<b>Carrier Aggregation</b>	LTE: DL 2CA	
<b>MIMO</b>	DL 4*4 MIMO (According the Band Requirement)	
<b>Maximum transmission power</b>	4G LTE; Class 3 (23 dBm $\pm$ 2 dB)	
<b>Maximum transmit throughput</b> (theoretical value)	<b>Downlink</b>	TDD: 220Mbps FDD: 300Mbps
	<b>Uplink</b>	TDD: 15Mbps FDD: 75Mbps
<b>Power supply</b>	DC 20~58V, 24V default	
<b>Power consumption</b>	< 8W	
<b>Dimensions</b>	250 x 168 x 58.5mm	
<b>Weight</b>	< 2000g	
<b>Humidity</b>	Operation humidity: 5% - 95% (non-condensing) Storage humidity: 5% - 95% (non-condensing)	
<b>IP rating</b>	IP65	
<b>Temperature</b>	Working temperature: -30° C to 60° C Storage temperature: -40° C to 85° C	

## Software Function

<b>Support System</b>	Windows (Win7/Win8/Win10) Mac (Mac OS 10.10 or above) Linux Chrome OS
<b>Language</b>	English
<b>WAN</b>	Multi-APN support, maximum four IP pass-through IPv4/v6 dual stack
<b>LAN</b>	DHCP Server DNS and DNS proxy DMZ
<b>Management</b>	TR069 SNMP v2/v3 Web UI Software upgrade via Web UI/TR069/FOTA USIM PIN management
<b>VPN and Routing</b>	PPTP GRE Tunnel (L2/L3) L2TPv2 and L2TPv3  Static routing NAT/Bridge/Route Mode Port Mirror and Port Forwarding IPV4/IPV6 Dual Stack
<b>Security</b>	Firewall MAC Address Filtering IP Address Filtering URL Filtering Access Control HTTPS Login from WAN Dos attack protection Two level of user authority
<b>Reliability</b>	Watchdog Auto rollback to previous version when upgrade fails

## Certification and Environment Compliance

<b>Certification Compliance</b> (* Partially Certified or Under Certification Process)	CE* FCC* RoHS* REACH* WEEE*
<b>Environment Compliance</b>	Cold: IEC 60068-2-1 Dry heat: IEC 60068-2-2 Damp heat cyclic: IEC 60068-2-30 Change of temperature: IEC 60068-2-14 Shock: IEC60068-2-27 Free Fall: IEC60068-2-32 Vibration: IEC60068-2-6