



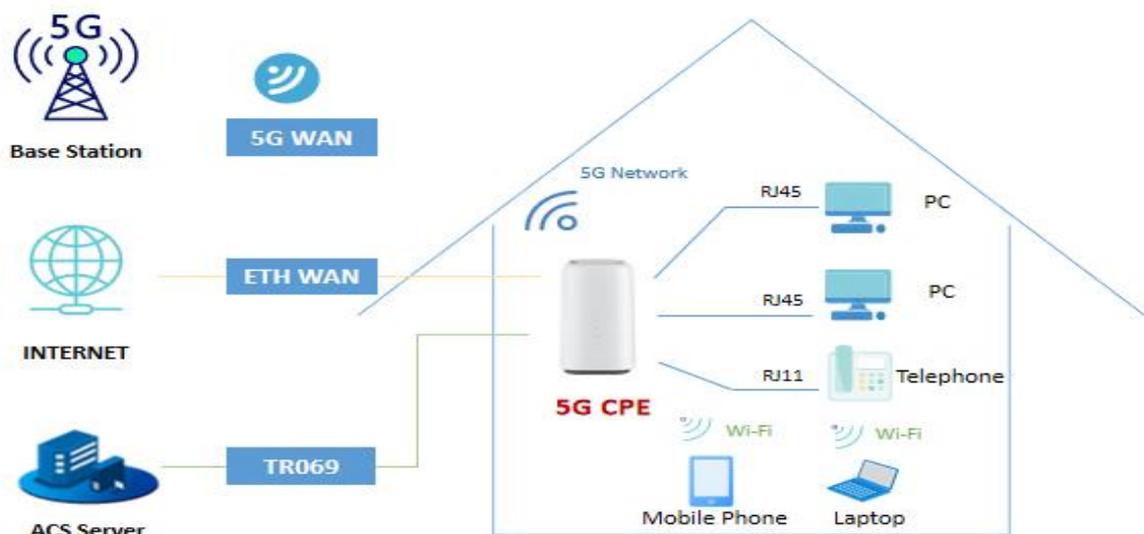
LG6151M

- ✓ 5G CPE
- ✓ Wi-Fi 7
- ✓ Smart O&M

Product Overview

- LG6151M is a high-performance Customer Premise Equipment for 5G/LTE network access. It is mainly used in home or small office scenarios where no fiber coverage, provide various services such as family network coverage, equipment monitoring, wireless routing etc.
- LG6151M support 5G NR,4G FDD-LTE,4G TDD-LTE mobile network standard, flexible to adapt to different network deployments.
- LG6151M support 802.11a/b/g/n/ac/ax and latest 802.11be (Wi-Fi7) protocol, is a dual-band Wi-Fi 7 user CPE for family Wi-Fi coverage.

Topology



Physical Specification

Dimensions (W x D x H)	99mm x 99mm x 195mm	System Power Supply	DC 12V, 2A
Weight	About 750g	Power Adapter input	AC 100~240V, 50~60Hz
Colour	White	System Power	< 24W
SoC	T830 4nm	Operating/Storage Temperature	-5°C~45°C / -20°C~70°C
NNI Ports	5G NR or 4G LTE or 2.5G WAN	Buttons	Power/WPS/Reset
UNI Ports	1*2.5GE+1*GE+1*POTS+1*USB+dual-band Wi-Fi 7	LED Indicators	Power/5G/4G/WLAN/WPS/Phone

RF Interface

5G NR	Support 5G NR (3GPP Release 16) Sub-6G
	5G NR Bands: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n77/n78
	5G DL 4*4 MIMO: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/78
	Peak Throughput: DL 7.01Gbps/UL 2.5Gbps
4G LTE	LTE Category: Cat 19
	Support TDD-LTE/FDD-LTE
	4G LTE Bands: B1/B3/B5/B7/B8/B20/B28/B32/B38/B40/B41/B42/B43
	4G DL 4*4 MIMO: B1/B3/b7B8/38/B40/B41/B42/B43
	Peak Throughput: DL 1.6Gbps/UL 316Mbps
RF Extensions	Support NR 4CC CA
	Support ENDC
	Support DSS
	Support two 5G antenna extension

SIM Slot

SIM Slot	4FF SIM Card (Nano-SIM) format
	Support Carrier SIM Lock
	Support SIM card hot swap
Lock	Locking Cells and Frequency points
Message	Send and Receive Short Message

UNI Interface

Ethernet Port	1*2.5GE for LAN/WAN port + 1*GE for LAN port
	WAN/LAN switch
	RJ45 interface
	10/100/1000/2500M auto-negotiation
	MDI/MDIX auto-sensing
	IEEE 802.3/802.3u
Phone Port	1*Phone port(RJ11)
	Support SIP Protocol
	Support CS voice communication
	Support VoLTE
USB	Support VoNR
	1 *USB port

UNI Interface

Wi-Fi Interface	IEEE 802.11 b/g/n/ax/be (2.4G)
	IEEE 802.11 a/n/ac/ax/be (5G)
	Dual-band Wi-Fi 7 : BE5000, 2.4G(2*2 MIMO) and 5G(3*3 MIMO)
	Encryption: WEP, AES, and TKIP + AES
	Security mode: Open,WEP, WPA2-PSK,WPA/WPA2-PSK,WPA3
	Support multi SSID and guest SSID
	Support changing SSID and password
	Press the WPS button to quickly connect
	Wi-Fi 2.4GHz&5G Hz dual-band auto-selection
	4 Built-in 2.4G Wi-Fi antennas 4 Built-in 5G Wi-Fi antennas
	Support DBDC and MLO
Support maximum of 128 connected stations	

Product Function

Device Management	Web UI
	TR069 management
	Mobile APP (Could be customized)
APN Setting	Support default APN (customized)
	Set APN Username/Password/IP Mode
TR069	Support HTTP/HTTPS format
	Upload / Download the ACS specified files, Download CPE configuration files
	Configure & Query parameters
	Remote upgrade
Diagnosis	Ping diagnosis
	Traceroute diagnosis
	Export operation diagnosis logs
L3 Functions	Support PPPoE/DHCP/Static IP config
	Support IPv4 , IPv6, IPv4/IPv6 dual stack
	DNS RELAY and NAT
	ALG: H.323/SIP/RTSP/L2TP/PPTP/FTP
	Support PPTP/L2TP VPN/IPSec VPN
Security Services	Firewall service: Firewall switch, DMZ, UPnP, Port forwarding, IP MAC Binding
	ACL filter: Mac/IP address filter, Port/URL filter , Wi-Fi Black/Whilte list
	Wi-Fi Authentication

Product Function

Multi-Services	Multi services: Internet, Voice
	Flexible UNI connection modes: Wire(GE/Phone) + Wireless(Wi-Fi)
Smart Interconnection	Easy to access two network: 5G / 4G LTE
	Support two 5G network mode: NSA / SA
	Easy to connect to ACS by TR069
	Wi-Fi 2.4G Hz&5G Hz dual-band auto-selection
	IPv4/IPv6 auto-negotiation
	Different LED clearly indicate network status
Software Update	Web UI update
	TR069 update
	FOTA update

Product Certification

Certification	Support CCC Certification
	Support SRRC Certification
	Support CE Certification
	Support Wi-Fi Alliance Certification
Materials	Meet RoHS requirements