



LTE Indoor CPE
Model S100
Product Specification

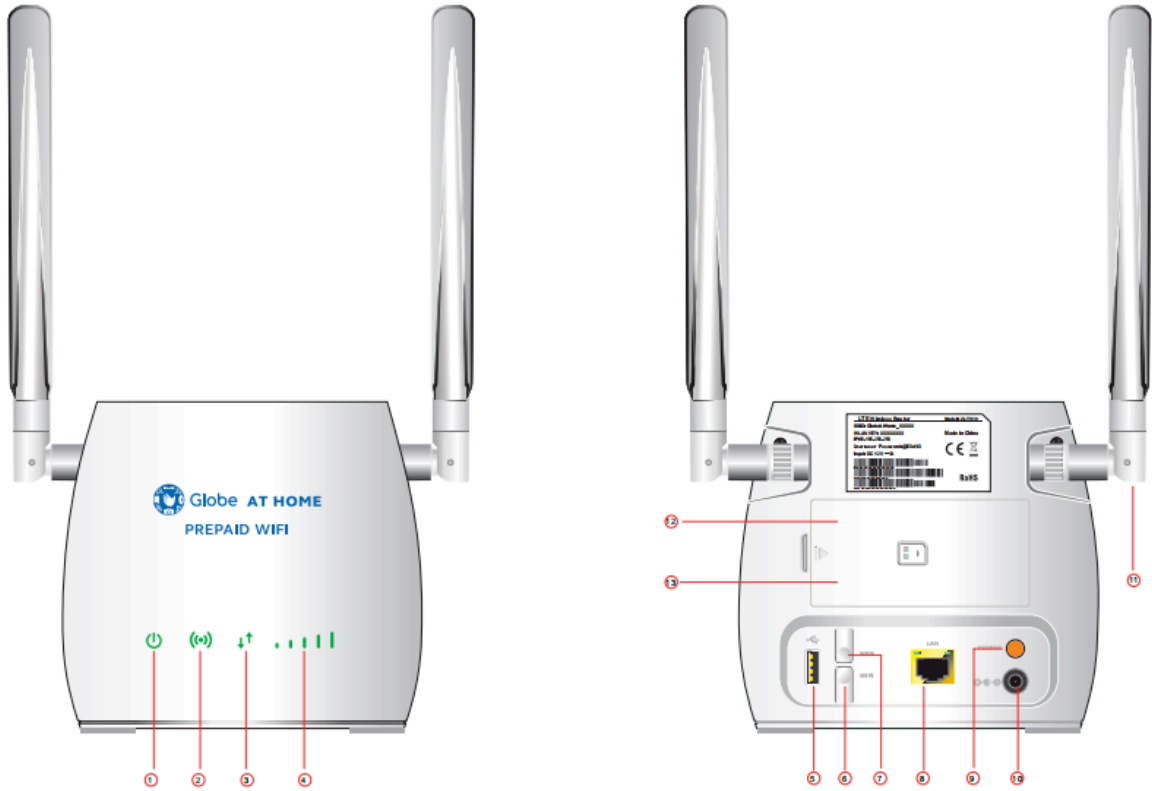
Product Features

- Support TDD-LTE, FDD-LTE
- Support 3GPP Release 9/10 compliant
- Support 1TX/2RX
- Support UE Category 3/4
- Supports QoS service flow initiated by CPE
- Supports Dynamic Host Configuration Protocol
- Built-in web server for web-based configuration
- Password protected access and configuration
- Supports IEEE 802.3, IEEE 802.3u
- Support external antenna
- Support Battery
- USIM Slot

General Specification

No.	Feature	Description	Comments
	LTE BB ASIC	ZX297520V2	ZTE
	LTE RF ASIC	WTR234220	ZTE
	Flash	256MByte	Gigadevice
	SDRAM	1024M bite	
	WIFI	RTL8192ES	Realtek
	Ethernet LAN port	1*10/100 auto-sensing, auto-MDX	
	LED Indicators	Signal Strength / LTE/WIFI/ETH/POWEER	
	Button	Reset、 WPS 、 WIFI	
	Power supply	Input: Universal range 100~240VAC Output: 12V 1A	
	Battery	8.4v / 2000maH	

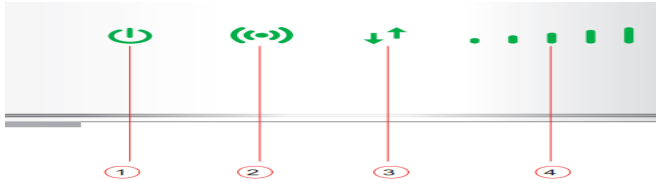
LTE INDOOR CPE Model - S100



1	Power LED	2	WIFI LED
3	LTE LED	4	Signal Strength LED
5	USB	6	WIFI switch
7	WPS	8	LAN port
9	Power switch	10	DC Power
11	Antenna	12	SIM card slot
13	Battery		

Physical Size	Description
Size	155x155x45(mm)
Weight	310g

Unit Interface

Connector	Description
LAN – RJ 45	The LAN port allows you to connect Modem to PC
USIM Slot	Support standard 1.8V /3.3V
LED	

IDU Radio Specification

No.	Feature	Capability				Comments
		min	type	max	Units	
1	Supported Bands	BAND 40				Customization
2	Channel Band Width	5/10/15/20			MHz	Other BW can be supported by SW configuration
3	Channel Step Size	100			kHz	
4	Output Power optional		23		dBm	
5	Modulation	UP: QPSK/16QAM				
6		DOWN :QPSK/16QAM/64QAM				

Battery Specification

NO.	Item		Specifications	
4.1	Rated capacity		2000mAh	
4.2	Initial Impedance		≤200mΩ	
4.3	Identify resistance		68K	
4.4	Weight		Approx: 20g	
4.5	Nominal voltage		7.2V	
4.6	Standard charge current		0.2C	
4.7	Standard charging method		0.2C CC (constant current) charge to FC, then CV(constant voltage FC)charge till charge current decline to ≤0.01C	
4.8	Charging time		4 hours(Fast charger) 8 hours (Fully charger)	
4.9	Standby time		15 hours	
4.10	Service time		≤ 8 hours	
4.11	Charge cut-off voltage		8.4V	
4.12	Discharge cut-off Voltage		5.5V	
4.13	Work temperature	Charging	0℃~45℃	
		Discharging	-10℃~60℃	
4.14	Storage temperature	-10℃~45℃	≤1 month	Charge to 40%~50% of capacity when storage
		-10℃~35℃	≤6 month	
4.15	ESD ability ESD		Touch discharge ±4KV	
			Air discharge ±8KV	
4.16	Storage Humidity		≤75% RH	
4.17	Antenna gain		5dBi	

Environmental Specification

No.	Feature	Capability				Comments
		min	Typ	max	units	
1	Operating temperature	0		60	°C	
2	Storage temperature	-20		85	°C	
3	Operating humidity	5		95	%	
4	Storage humidity	5		95	%	

Regulatory Specification

No.	Feature	Requirement Specification	Comments
1	Radio	CE	Follow CE regulatory
2	Safety	CE	Follow CE regulatory
3	EMC	CE	Follow CE regulatory

Reliability Specification

No.	Feature	Requirement Specification	Comments
	MTBF	300,000 @ 55 °C	

LTE Networking Security

No	Feature	Status	Comments
1	User Name/Password configuration	Ready	
2	Firewall	Ready	
3	Port Forwarding	Ready	
4	DMZ	Ready	

IDU Indoor Optional WiFi Box

No	Feature	Status	Comments
1	Network Name (SSID)	Ready	
2	SSID Broadcast Enable	Ready	
3	802.11 Mode selection	Ready	
	<ul style="list-style-type: none"> ● 802.11b 	Ready	
	<ul style="list-style-type: none"> ● 802.11g 	Ready	
	<ul style="list-style-type: none"> ● 802.11n – 20MHz 802.11n-40MHz 	Ready	
	<ul style="list-style-type: none"> ● 802.11b+g+n mode – This is the Factory Default option 	Ready	
4	Security	Ready	
	<ul style="list-style-type: none"> ● Open (Unsecured) 	Ready	
	<ul style="list-style-type: none"> ● WPA Personal / PSK (TKIP) – ASCII string, 8 to 63 characters in length 	Ready	
	<ul style="list-style-type: none"> ● WPA Personal / PSK (AES) – ASCII string, 8 to 63 characters in length 	Ready	

System/Debug Utility

No	Feature	Status	Comments
1	Software reset button	Ready	
2	LED for LTE Link Diagnostic	Ready	
3	System log	Ready	
4	Multil language	Ready	