

Yeacomm S10 4g LTE indoor CPE specification



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1. Overview

As a high-performance LTE CPE device, the S10 enables home office (SOHO) users to get access to wireless and wired networks

The S10 can work in any of the following network standards:

- Frequency Division Duplex (FDD)
- Time Division Duplex(TDD)
- Dual Carrier High Speed Packet Access Plus (DC-HSPA+)
- High Speed Packet Access Plus (HSPA+)
- High Speed Uplink Packet Access (HSUPA)
- High Speed Downlink Packet Access (HSDPA)
- Universal Mobile Telecommunications System (UMTS)
- Enhanced Data Rates for Global Evolution (EDGE)
- General Packet Radio Service (GPRS)
- Global System for Mobile Communications (GSM)

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(optional)	

The S10 provides the following services and functions :

Data services

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

Yeacomm S10 appearance:



3. Technical Specifications

3.1 Hardware specifications

Item	Description		
Technical standards	WAN: LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM		
	WLAN: 802.11b/g/n		
Working bands	FDD: Band1/2/3/5/7/8/20/28 Band2/3/4/5/7/28(Optional) TDD: Band38/39/40/41 WCDMA:850/900/1900/2100Mhz GSM:850/900/1800/1900mhz The frequencies could be customized for quantity order		
Speed	FDD - LTE Downlink: 150Mbps, Uplink: 50Mbps TDD-LTE: Downlink: 150Mbps, Uplink: 50Mbps HSPA+: 42Mbps(download speed) 5.76Mbps(upload speed) HSUPA: 5.76Mbps (upload speed)/ HSDPA:7.2Mbps(download speed:) UMTS:384Kbps (download speed/upload speed)		
Wifi	WIFI Standard	IEEE 802.11b/g/n	
	WIFI Rate	Highest rate 144Mbps	
	RF power	17dBm(Max) in 11b mode	
		17dBm(Max) in 11g mode	
		16dBm(Max) in 11n mode/chain	
Wifi users	Max up to 32 users		
CSFB	Support		
Physical Size	Size:155x155x45(mm)		
	Weight: 310g		
External Port	1*Lan port (RJ45)		
	2*SMA external antenna port		
	1*sim card slot		
Buttons	One power button		
	One WPS button		
	One reset button		

Antenna	External antenna, Gain>5db	
PSU	12V/1A	
power	9-18V	
lights	power, network, signal, LAN	
Temperature	Working temperature	0~60℃
	Storage temperature	-2~85℃

Battery Specification(Optional)

Item		Specifications	
Rated capacity		2000mAh	
Initial Impedance		≤200mΩ	
Identify resistance		68K	
Weight		Approx: 20g	
Nominal voltage		7.2V	
Standard charge current		0.2C	
Standard charging method		0.2C CC (constant current) charge to FC, then CV(constant voltage FC)charge till charge current decline to ≤0.01C	
Charging time		4 hours(Fast charger) 8 hours (Fully charger)	
Standby time		15 hours	
Service time		≤ 8 hours	
Charge cut-off voltage		8.4V	
Discharge cut-off Voltage		5.5V	
Work temperature	Charging	0℃~45℃	
	Discharging	-10℃~60℃	
Storage temperature	-10℃~45℃	≤1 month	Charge to 40%~50% of capacity when storage
	-10℃~35℃	≤6 month	
ESD ability		Touch discharge ±4KV	
ESD		Air discharge ±8KV	
Storage Humidity		≤75% RH	
Antenna gain		5dBi	

3.2 Software Specification

LTE Networking Security

Feature	Status	Comments
User Name/Password configuration	Ready	
Firewall	Ready	
Port Forwarding	Ready	
DMZ	Ready	

IDU Indoor Optional WiFi Box

Feature	Status	Comments
Network Name (SSID)	Ready	
SSID Broadcast Enable	Ready	
802.11 Mode selection	Ready	
● 802.11b	Ready	
● 802.11g	Ready	
● 802.11n – 20MHz 802.11n-40MHz	Ready	
● 802.11b+g+n mode – This is the Factory Default option	Ready	
Security	Ready	
● Open (Unsecured)	Ready	
● WPA Personal / PSK (TKIP) – ASCII string, 8 to 63 characters in length	Ready	
● WPA Personal / PSK (AES) – ASCII string, 8 to 63 characters in length	Ready	

System/Debug Utility

Feature	Status	Comments
Software reset button	Ready	
LED for LTE Link Diagnostic	Ready	
System log	Ready	
Multil language	Ready	

4.Packing List

Item	Quantity
4g mobile CPE	1
Rechargeable Battery (optional)	1
RJ45 Cable	1
Power adapter	1
External antenna	2