

YF-S12P CAT6 4G LTE VOLTE VOIP CPE Specification

LTE-A CAT6 300Mbps

802.11 b/g/n/ac, Dual Band WIFI 2.4G/5G

Gigabit Ethernet Port



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1. Overview

As a high-performance LTE CPE device, the YF-S12P enables home office (SOHO) users to get access to wireless and wired networks

The YF-S12P 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)

The YF-S12P provides the following services and functions :

- Data services
 - LTE-A CAT6, Carrier Aggregation
- Voice services (VOLTE or VOIP)
- Short message service (SMS)
- Security functions
- Maintenance and management

YF-S12P Pictures :



2. Main functions:

- *Support 2G/3G/4G/4G+ network connection
- *VOLTE(optional)
- *VoIP(optional)
- *Support external antenna and build-in battery (Optional)
- *Dual Band WIFI 2.4G/5G
- *Prevent loiter network, multi wireless safety ensuring.
- *IP broadband band control, ensure the speed.
- *Support network traffic statistics.
- *Support up to 32 WIFI devices online simultaneously.
- *IEEE802.11b/g/n/ac
- *Functioning as a Dynamic Host Configuration Protocol (DHCP) server and supporting
- *Network Address Translation (NAT)
- *Internet Protocol version 6 (IPv6)/Internet Protocol version 4 (IPv4) dual stack
- *Security functions
- * Wi-Fi protected setup (WPS)

3. Technical Specifications

3.1 Hardware specifications

Item	Description	
Technical standards	WAN: LTE-A/LTE/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM	
	WLAN: 802.11b/g/n/ac	
Working bands	Standard: FDD-LTE B1/B2/B3/B4/B5/B7/B8/B20/B28/B66 TDD-LTE B34/B38/B39/B40/B41(200M)	
	The frequencies could be customized for quantity order	
Speed	FDD - LTE Downlink: 300Mbps, Uplink: 50Mbps TDD-LTE: Downlink: 226Mbps, Uplink: 28Mbps 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/ac
	Wi-Fi Channel BW	20MHz, 40MHz,80MHz(ac)
	RF power	15 dBm/2.4G;18 dBm/5G;
	Wifi Antennas	4 Built-in wifi antennas
	Wifi users	Max up to 32 users
	CSFB	Support
External Port	4* Gigabit RJ45 port (1*WAN/LAN, 3* Lan)	
	1*RJ11	
	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/2A	
power	9-18V	
lights	11 LED Indicators (PWR, Wi-Fi, 4G/LTE, RF Signal)	
Diemensions	180mm*132mm*48mm	
Temperature	Working temperature	-20~50℃
	Storage temperature	40~85℃

3.2 Software Specification

NAT	Supports NAT and Network Address and Port Translation (NAPT)
	Supports fragmented message identification during common NAT
DHCP Server	Enables and disables the DHCP server
	Configures DHCP server address pools
	Sets the lease time.
	Displays the status of the DHCP server address pools, including host names, Media Access Control (MAC) addresses, IP addresses, and remaining lease time
Firewall	Enables and disables the firewall.
	Filters LAN MAC addresses
	Filters LAN IP addresses.
	Filters URLs.
	Supports port Mapping
	Supports demilitarized zone (DMZ).
	Supports Universal Plug and Play (UPnP).
Speed limit	
SMS	Read, write, send SMS
MAC address authentication	Supports the MAC address authentication whitelist.
	Supports the MAC address authentication blacklist.
TR069	<p>HTTP/HTTPS</p> <p>Supports upload / download the ACS specified file</p> <p>Support download CPE configuration file</p> <p>Support configure & queries parameters</p> <p>Support remote upgrade</p> <p>Support CPE version update</p> <p>Supports debugging operations</p> <p>Support cycle monitor</p>
VPN	Support PPTP/L2TP/SSL VPN/GRE/IP SEC
IPV6	IPv6/IPv4 dual stack
Frequency locking	Support
Carrier SIM Lock	Support
Multi-APN	3
Working mode	NAT/ Bridge/ Router mode
Remote upgrade	Support

4.Packing List

Item	Quantity
LTE-A mobile CPE	1
Rechargeable Battery (Optional)	1
RJ45 Cable	1
Power adapter	1