

# YF-P21 4g LTE indoor CPE specification



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## 1. Overview

As a high-performance LTE CPE device, the YF-P21 enables home office (SOHO) users to get access to wireless and wired networks

The YF-P21 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-P21 provides the following services and functions :

- Data services
- Voice services (Optional, MOQ should be 1000units)
- Short message service (SMS)
- Security functions
- Maintenance and management

YF-P21 appearance :



## 2. Main functions:

- \*Support 2G/3G/4G network connection
- \*Support VOIP(understand Developing)
- \*Support external antenna and build-in battery(Optional)
- \*WLAN function, easy to expand wireless network.
- \*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
- \*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/DC-HSPA+/HSPA+/HSPA/UMTS/EDGE/GPRS/GSM		
	WLAN: 802.11b/g/n		
Working bands	Standard: FDD: Band1/2/3/5/7/8/20 TDD: Band38/40 WCDMA:850/900/1900/2100Mhz GSM:850/900/1800/1900mhz		
	Optional: FDD: Band1/2/3/5/7/8/28 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) (it is cat4)		
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		
External Port	4*RJ45 port (1*WAN, 3* Lan)		
	2*RJ-11(reserved)		
	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	DC2.0 15V @ 500mA,		
power	3.0W		

lights	power, network, signal, LAN	
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	Support
VPN	Support L2TP VPN
Frequency locking	Support
Working mode	3g/4g
	3g only
	4g only
Remote upgrade	Support

#### 4.Packing List

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