

Yeacomm Smart LTE cat6 ODU

YF-P55K

3GPP Release 12

Multi LTE Bands

802.11 b/g/n/ac



Overview

Yeacomm YF-P55K, a 4G LTE-A cat6 Outdoor Router kit is good for any venue like suburban areas, rural area, public locations, homes, and offices network. Outdoor unit has been designed to meet industrial-grade IP65 dust-proof and water-proof standard. Indoor unit support dual band wifi and power for outdoor unit. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access.

Features

Ultra-fast 4G speed up to 300Mbps

It supports 4G/3G /2G full networks, covers the world's mainstream bands and is compatible with various versions.

Friendly User Interface

Friendly UI design includes NAT, band locked , TR069 remote management, DHCP, IPv4/IPv6 dual stack, port forwarding, SMS management, carriers SIM card locked.

Multiple VPN

PPTP/L2TP/GRE , can easily establish a connection to VPN Server to transport all your online data and traffic.

Plug and Play

The device could automatically fix network problems in real-time without manually restarting or reconfiguring the network, makes it easier to access the Internet.

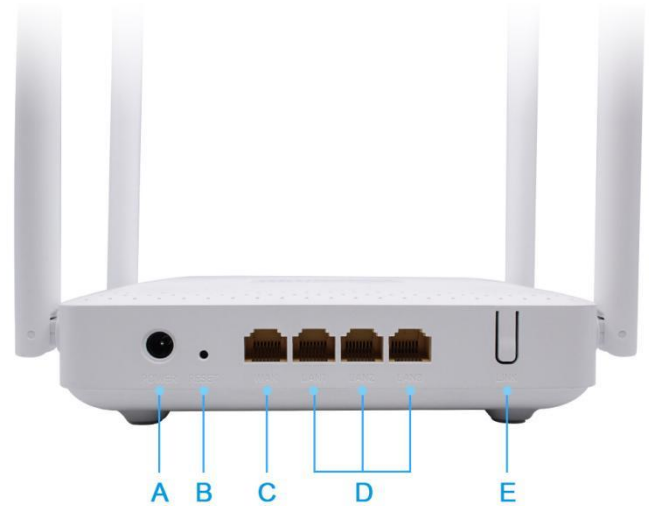
Specification

Hardware specification		
Chipset	SL8563/UNISOC	
Memory	ROM: 2Gbit NAND Flash RAM: 2Gbit LPDDR3	
Theoretical Bandwidth	LTE CAT 6 300 Mbps(DL)/50 Mbps(UL)	
Indicators	POW/SIM/ETH/RUN/SIGNAL	
Button	Reset button	
Interfaces	OUD: 1*SIM card slot 1*Gigabit Lan 1*PoE port	IDU: 3*Gigabit Lan port 1*Gigabit Wan port 1* DC Socket
SIM	USIM(2FF) Support 1.8V & 3.3V ESIM reserved	
Power Supply	AC100V~240V,50Hz~60Hz POE power 24V 1A	
Dimension	ODU:224*119*75mm IDU:188*192*38mm	
Weight	ODU:430g IDU:360g	
IP(Ingress Protection)	IP65	
RF Specifications		
Frequency bands (could be customized)	Version 1: FDD :B1/2/3/5/7/8/20/28 TDD: 38/39/40/41 WCDMA: B1/2/5/8 GSM: 850/900/1800/1900MHz	Version:2 FDD :B2/3/4/5/7/8/12/17/28/66 TDD: 38/40/41 WCDMA: B2/4/5/8 GSM: 850/900/1800/1900MHz
DL CA (Inter/Intra 2CA)	Carrier aggregation combination could be customized	
LTE MIMO	MIMO 2*2(1TX 2RX)	
LTE Tx	1 Tx	
LTE Output Power@25°C	23±2 dBm	
LTE Antenna	2 Built-in	
LTE Antenna Gain	Directional Antenna: 5-7dbi Omnidirectional Antenna: 1-5dBi	
LTE Peak Throughput	DL 300 Mbps, UL 50 Mbps	

WIFI Specifications	
Wi-Fi Frequenc	2.4GHz/5GHz
Wi-Fi Antenna	2*2.4GHz wifi antenna 2*5GHz wifi antenna
MIMO	MIMO 2*2(2.4GHz) MIMO 2*2(5GHz)
Wi-Fi Output Power	15 dBm/2.4GHz; 18 dBm/5GHz;
Wi-Fi Channel BW	15 dBm/2.4GHz; 18 dBm/5GHz;
Wi-Fi Antenna Gain	3 dBi/2.4GHz;3 dBi/5GHz;
Software Specifications	
Language	English(other languages could be customized)
Https/http	Both support
Diagnostics	Ping/Trace/Tcpdump, Export current diagnosis results and operation logs
User login	Support two users (user and admin) with different limitation and display
SMS	Write/send/receive short messages Send/receive extra-long messages
LTE Network Setup	Create/delete/edit APN
IPv4/IPv6 dual stack	IPv4 only IPv6 only IPv4/IPv6
DHCP Setup	Enable/disable DHCP server Configure DHCP IP Pool Configure DHCP Lease Time
DNS Setup	Support the auto DNS or manual DNS configuration
SIM Card	SIM card Authentication PIN management
Statistics	Link Status (LAN Devices) Transmit / receive traffic in packets Up Time
Multi-APN	2
VPN	PPTP/L2TP/GRE
4G status	Signal strength Network type Network connection status Operators name System modes SIM card status

Cell locked	Support
Carrier SIM Lock	Support
Device Management	
Software Update	Full image upgrade Web UI update TR069 update
Syslog	Support the syslog function can send the log to the PC via LAN
TR069	Support HTTP/HTTPS ACS, Support upload/download the ACS specified file, Support download configuration file, Support configure & queries parameters, Support remote upgrade, Support cycle monitor
Diagnostics	Support the Ping and trace route.
WIFI Features	
Support configuration WLAN functions through Web UI, include: SSID, SSID broadcasting turn on/off, Channel, rate and mode	
Support encryption: OPEN, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES)	
Wi-Fi protocol support: IEEE 802.11 b/g/n/ac	
Wi-Fi support max users 2.4G Wi-Fi: 32 5G Wi-Fi: 32	
Support SSID broadcasting	
Support SSID broadcasting	
Firewall features	
Allow HTTPs login from WAN HTTPs Login Port from WAN DMZ IP Address Support the IP /MAC/URL /Port filter Support Port forwarding	
Environment Specifications	
Operating Temperature	-20°C~60°C
Storage Temperature	-20°C~70°C
Operating humidity	5% ~ 95%
Storage humidity	5% ~ 95%

Indicators&Interfaces



A : Power Button
C : WAN Port
E : LINK

B : RESET
D : LAN Port

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