Yeacomm YF-A10 Indoor 4G LTE CPE

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Overview

YF-A10 is a high-performance wireless communication 4G LTE CPE. It is mainly used for data transmission services, equipment monitoring, wireless routing and other functions. YF- A10 adopts high-performance processor, which can process protocol and large amount of data at high speed. It can be used with a variety of 4G CAT4 module, providing 802.11b/g/n Wi-Fi access.

Hardware Specifications

Spec	Description
Chipset	ZX297520V3E/ZTE
LTE standard	LTE CAT4 150 Mbps(DL)/50 Mbps(UL)
Memory	ROM: 128MB
	RAM: 64MB
Interfaces	LAN RJ45 Port (FE) * 1; DC Socket; SIM Slot * 1;
Indicators	1. Power/Battery 2. Wi-Fi Switch 3. LTE Network 4.Signal Strength
Buttons	POWER On/Off Button WPS Button RESET Button Wi-Fi Button
SIM	Micro SIM(3FF) Support 1.8V & 3.3V
Power Consumption	< 6 W
Charger (Optional)	AC: 100V~240V DC: 12V/0.5A
Dimensions	135x142x62(mm)

Environment Specifications

Feature	Capability
Operating Temperature	0°C~40°C
Storage Temperature	-20°C~70°C
Operating humidity	95% Maxton-condensing
Storage humidity	95% Maxton-condensing

RF Specifications

Feature	Capability
Supported Bands (Band will be customized as per requirement)	LTE FDD: B1/2/3/4/5/7/8/28 B1/2/3/4/5/7/8/20(Optional) LTE TDD: B38/40/41
	HSPA+/HSPA/UMTS: B1(2100MHz)/B2(1900MHz)/ B5(850MHz)/B9(900MHz)
	GSM: 850MHz/900MHz/1800MHz/ 1900MHz
LTE MIMO	MIMO 2*2(1TX 2RX)
LTE Tx	1 Tx
LTE Output Power@25°C	22±2 dBm
LTE Antenna	2 Build-in Antennas
LTE Antenna Gain	5 dBi
LTE Peak Throughput	DL 150 Mbps, UL 50 Mbps
Wi-Fi Frequency	2.4 GHz
Wi-Fi Output Power	18 dBm/2.4G
Wi-Fi Antenna	2 Build-in Antennas
Wi-Fi Antenna Gain	3 dBi
Wi-Fi Channel BW	20MHz, 40MHz
Wi-Fi MIMO	MIMO 2*2 (1T1R)
Wi-Fi Concurrent Users	32

If the LTE antenna supports all frequency, the antenna gain will be lower than the value in table.

Topology

Topology based on LTE WAN network

Software Specifications

Spec	Description
Language	English
	Chinese
	Could be customized
Https/http	Both
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
IPv4v6 dual stack	Support IPV4, IPV6, IPV4V6
Wi-Fi/WLAN Setup	SSID/Key, SSID broadcasting and hiding, Security Mode: None (Open), WPA2-PSK(AES), and WPA/WPA2-PSK(TKIP/AES) WPS Setup, Wi-Fi MAC Filter, Wi-Fi Advanced Settings.
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	PIN Management

	SIM card Authentication
Backup/ Restore	Encryption backup current settings and restore the backup settings
Diagnosis	Export current diagnosis results and operation logs
Statistics	Link Status (LAN/Wi-Fi Connected Devices)
	Transmit / receive traffic in packets
	Up Time
Multi-APN	3
VPN	VPN PASSTHROUGHT
4G status	Signal strength
	Network type
	Network connection status
	Operator name, system mode
	SIM card status
Cell lock	Support
Carrier SIM Lock	Support
Work mode	NAT/ Router mode

Device Management

Spec	Description
Software Update	Full image upgrade Web UI update TR069 update
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
Syslog	Support the syslog function can send the log to the PC via USB/Wi-Fi

Diagnostics	Support the Ping and trace route and TCPDUMP.

NAT Mode

Spec	Description
NAT	Support NAT by default
Firewall	Can enable or disable the firewall
Router protocol	Static Route
ALG	Support

Wi-Fi Features

Functions
Users can turn on/off WLAN function through Web UI.
Support configuration WLAN functions through Web UI, include: SSID, SSID broadcasting turn on/off, Channel, rate and mode
Support encryption: None (Open), WPA2-PSK(AES), and WPA/WPA2-PSK(TKIP/AES)
Support WPS
Wi-Fi protocol support: IEEE 802.11 b/g/n (2.412 ~2.472 GHz)
Wi-Fi max. users:32
Support SSID broadcasting
Support multi SSID
Support Wi-Fi channel self-adapt and select
Support guest network

Firewall Features

Functions
Allow HTTPs login from WAN
HTTPs Login Port from WAN
DMZ IP Address
Support the IP filter
Support the MAC Filter
Support the URL Filter
Support UPnP
Support Port forwarding
Support Port filter
Support Firewall Backup/Restore