ZLT X21 Instructions

Version C V1.0

Thank you for choosing our 5G wireless data terminal products. In order to make you better use the data terminal, please read this manual carefully and keep it for backup after reading it.
Our company reserves the right to modify the technical parameters and specifications of this manual. Any misprints and discrepancies with the latest information will be promptly corrected. All changes are made without prior notice and the company reserves the right of final interpretation.
ZLT X21 is a high-performance 5G indoor data terminal that supports NR(SA&NSA) and LTE, converts cellular network data into Wi-Fi and wired network port data, supports 4 gigabit LAN ports, and supports 2.4G+5G dual-band Wi-Fi hotspot (AP). It is suitable for home or business scenarios that require rapid deployment of communication networks, Wi-Fi hotspots.

I. Main technical indicators of products

- Operating temperature : 0℃~40℃
- Relative humidity :5%~95%
- Power: input AC 100 V~240 V,50Hz~60 Hz
  Output DC 12V/1.5A
- Size:117mm*117mm*188.8mm
- Weight: 580g
- Uplink and downlink rate: 5G DL 2Gbps, UL 1Gbps

(Theoretical value and actual rate are subject to operator configuration)

II. Installation instructions

1) Take out the wireless data terminal and install the USIM card into the slot according to the direction marked on the data terminal. When the "click" sound is heard, the USIM card is installed in place.
2) Use RJ45 standard network cable to connect the LAN port and computer of the data terminal.
3) Connect the external power outlet and data terminal with the power adapter, press the switch and turn on the data terminal automatically. About 1~2 minutes later, the data terminal completes initialization.
4) Place the data terminal in a flat place.

Attention : 1. Do not install USIM card live.
2. When take the USIM card, do not touch the metal contact surface to avoid electrostatic damage to the card.

III. About the data terminals

This data terminal can work under 4G (LTE)/5G NR network, and can connect the data terminal to the Internet through Wi-Fi or network port.

3.1 Appearance Interface Introduction

Figure 1 Interface

Interface	Interface uses	Remarks
POWER	Power switch	Press to turn on the power and then press to turn off the power
Power jack	Power interface, connected to the particular power adapter.	Be sure to use the particular power adapter, using another adapter may cause damage to the device or other hazards.
RESET	Reset key, long press 7 seconds to restore factory settings	Restore factory settings will clear all user settings parameters, please be careful.
LAN1~LAN4	Ethernet interface, used to connect computers and other devices.	The LED flashes when connected.
SIM	USIM card interface, please insert the USIM card correctly in the identification direction.	Do not unplug the USIM card when power on.

3.2 Indicator

Figure 2 Indicator

Indicator	State	Description
Wi-Fi	OFF	Wi-Fi not open
	Blue	Wi-Fi open
SIGNAL	OFF	No signal (signal values can also be viewed through the data terminal configuration page)
	Red light flashing	SIM card not identified
	Red	Poor signal quality
	Yellow	Normal signal quality
	Green	Good signal quality
POWER	OFF	Foreign power exception, data terminal closed
	On	Normal external power, data terminal open
4G	OFF	4G unregistered network
	Blue	4G Registered Network
5G	OFF	5G unregistered network
	Blue	5G Registered Network

WPS key: press the button for 1 to 3 seconds to release, the WIFI light flashes quickly, and the 5G WIFI WPS function is enabled. Press and hold for more than 6 seconds to release, the WIFI light flashes slowly, and the 2.4G WIFI WPS function is enabled. Devices that support WPS function (such as mobile phones) can automatically connect when entering WPS mode, and WPS function will be turned off automatically after 2 minutes of turning on.

IV. Access to the Internet

The data terminal supports connecting the computer RJ45 a standard network cable or WLAN wireless without any driver. Support Windows XP、Windows 7、Windows 8、MAC OS、Linux、Android and other operating systems.

4.1 Data terminal readiness

Before accessing the internet, please check the following options:
●USIM card valid and correctly inserted into data terminal
●Power indicator light
●Signal indicator light, preferably green
●4G or 5G indicator lights, blue

4.2 Connecting Computers

The data terminal and computer can be connected by RJ45 standard network cable or by Wi-Fi. Wi-Fi connection, SSID and Wi-Fi password information please check the sticker at the bottom of the data terminal. The SSID and Wi-Fi passwords of each data terminal are unique. Either way to connect, set the computer address acquisition mode to "automatically get the IP address ".

4.3 Access data terminal

After the computer gets the IP address, enter "192.168.0.1" in the browser and enter the user name and password to access the data terminal configuration page. The default user name of the data terminal is "admin" password is "admin".
The login data terminal configuration page recommends using any of the following browsers:
●IE 7.0 or above
●Firefox 3.0 or above
●Safari 4.0 or above
●Opera 10.0 or above
●Chrome 10.0 or above

V. Configuration of data terminals

When configuring the data terminal, make sure the data terminal works properly and the computer is connected to the data terminal. Then log in to the data terminal configuration page for configuration. Data terminal configuration page parameters should be carefully configured according to operator recommendations, improper configuration may lead to unable to access the Internet. Press "reset" key to restore factory settings.

Primary menu	Secondary menu	Operational instructions
Home Page	Network State	Can check WAN wireless information and network parameters. Check signal

	Information	strength and network IP.
System Status	WAN status information	View mobile network information and IP addresses obtained under various APN.
	DHCP	View LAN side DCHP status and connection device list
	2.4G Wi-Fi status	View 2.4G Wi-Fi Network and User Information
	5G Wi-Fi status	View 5G Wi-Fi network information and user information
	Device Information	View device running status, memory usage, etc.
Internet Function	Mobile network configuration	Set up network mode, flight mode, data switch, PLMN scanning, etc.
	APN	Set APN parameters. This need to be set according to the requirements of the Operator, changes may lead to no access to the network. Default settings are recommended.
	SIM card function	Setting PIN codes
Wi-Fi Settings	2.4 G Wi-Fi Settings	Turn on/off Wi-Fi function, change Wi-Fi SSID, broadcast mode, password, encryption, etc.
	2.4G Wi-Fi Advanced Settings	Change channel, max users, bandwidth, b/g/n protocol, etc. The channel number is the channel currently used by the router, it is not recommended to change it, in case it may lead to abnormal Wi-Fi work.
	5G Wi-Fi Settings	Turn on/off Wi-Fi function, change Wi-Fi SSID, broadcast mode, password, encryption, etc.
	5G Wi-Fi Advanced Settings	Change channel, max users, bandwidth, a/n/ac protocol, etc. The channel number is the channel currently used by the router, it is not recommended to change it, in case it may lead to abnormal Wi-Fi work.
	WPS Settings	Can enable/disable WPS PIN/PBC from here;
Device Settings	DHCP Settings	Set DCHP parameters, for example, gateway, IP address pool, DNS, lease time, etc.
	Routing Configuration	Set parameters of static routing
Firewall	Filtering Rules	Configure DMZ, Port Mapping, Filter Rules (Port filter, IP-Port filter, MAC filter, URL filter), IP MAC banding, ACL firewall, etc.
Management	System Settings	Change password: modify the password of the login terminal configuration page. Restore factory setting: restore terminal to factory setting state. Time setting: set terminal system time.
	System Log	System logs to record device operations.
	Export Log	Reserved for internal troubleshot.
	System Upgrade	Upgrade system files, need professional operation.
	Network Tools	Ping, Trace function.
	Restart	The terminal can be restarted.

VI. Description of the content status of harmful substances in the product

6.1 Description of Environmental Marking

According to the relevant regulations of the State Law "Measures for the Control and Management of Pollution of Electronic Information Products ", this product adopts the pollution control mark of electronic information products in the national industry standard" SJ/T11364-2006 requirements for the pollution control of electronic information products ", which indicates that the product contains certain toxic and harmful substances or elements; the figure in the middle of the figure indicates the environmental protection life of the electronic information product in years; and the outer circle of the figure consists of a circular circle with arrow lines indicating that the electronic information product can be recycled.

6.2 Name and content of toxic and harmful substances or elements in the product

Part Name	Toxic, harmful substances or elements					
	Pb	Hg	Cd	Cr (VI)	PBB	PBDE
Body shell	O	O	O	O	O	O
Alloy components inside body	O	O	O	O	O	O
Cable and components	X	O	O	O	O	O
PCB	X	O	O	O	O	O
Power adapter	X	O	O	O	O	O
Antenna	O	O	O	O	O	O

The O : indicates that the content of the toxic and harmful substances in all homogeneous materials of the component is below the limit specified in the SJ/T11363-2006 standard.

The X : indicates that the content of the toxic and harmful substance in at least one homogeneous material of the component exceeds the limit specified in the SJ/T11363-2006 standard.

Note: the components of this product containing toxic substances or elements cannot be completely replaced by toxic and harmful substances or elements due to the global level of technological development, but toxic and harmful substances only occupy the extremely small content of this product. And in line with the National Electronic Information products pollution control measures long-term use will not harm the human body, please feel free to use.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.