ZLT X100 PRO User Manual

V1.0

Thank you for choosing our 5G wireless data terminal products. In order to enable you to better use the data terminal, please read this manual carefully, and keep it on standby for future use.

Our company reserves the right to modify the technical parameters and specifications of this manual, and we will timely improve the printing errors and discrepancies with the latest data of this manual. All changes will not be notified in advance, and the Company reserves the right of final interpretation.

ZLT X100 PRO is a high-performance 5G indoor data terminal, which supports NR (SA&NSA) and LTE, converts cellular network data into WiFi and wired network interface data, supports one gigabit LAN interface, and one telephone interface, and 2.4G+5G dual band WiFi hotspot (AP). It is applicable to domestic or commercial scenarios where communication networks and WiFi hotspots need to be rapidly deployed.

1. Main technical indicators of product

- Wired network port: Support 1000Mbps RJ45 network port
- Power:input : AC 100V~240V, 50Hz~60Hz
  output : DC 12V/1.5A
- Operating temperature: 0℃~ +45℃
- Relative humidity: 5%~95%
- Dimensions: L90 x W50 x H163 (mm)
- Weight: about 415g

2. Installation instructions

1) Take out the wireless data terminal and install the SIM card into the card slot according to the direction marked on the data terminal.
2) Use a standard RJ45 network cable to connect the LAN port of the data terminal to the computer.
3) Use the power adapter to connect the external power socket

and the data terminal, and the data terminal will automatically turn on when power on. After about 1~2 minutes, the data terminal completes initialization.

4) Place the data terminal on a flat surface.
5) The WiFi function is enabled by default. You can use mobile phones, tablets and other devices with wireless connection functions to connect to the data terminal. The default SSID and WiFi password information for wireless connection can be obtained from the nameplate at the bottom of the data terminal.

Attention:

1) Do not install the SIM card with power on.
2) When handling the SIM card, do not touch the metal contact surface to avoid damage to the card by static electricity.
3) The operating temperature range of this product is 0~45℃; please do not operate beyond this temperature range.
4) Please use the adapter specified by this product to prevent abnormal operation of the machine.
5) This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The device complies with RF specifications when the device is used at 20 cm from your body.

3. About Data Terminal

This data terminal can operate under 4G (LTE) / 5G (NR) network, allowing you to connect to the Internet through WiFi or network port.

3.1 Interface Description

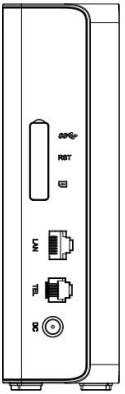

Figure 1 Interface Diagram

Interface Type	Definition	Description
DC	Power connector	Used to connect the matching power adapter.
RST	Reset button	Used to reset the device to factory settings. working on equipment In this state: press and hold for 6 seconds, the device will restore the factory settings.
TYPE-C	Debug interface	Used for device debug log output.
LAN	LAN port	It is used to connect to the network port of a computer or other equipment.
SIM Card	SIM card interface	Used to insert SIM card.
TEL	Telephone interface	Connect to the phone for call function

Note: The debugging interface cannot be used for power supply, please use the factory matching power adapter for power supply.

3.2 Indicator Light

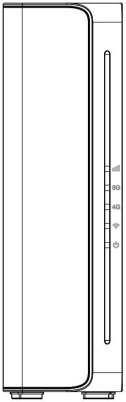

Figure 2 Indicator lights

Indicator	State	Description
Signal	Green	Good signal quality
	Blue	Medium signal quality
	Red	Poor signal quality
	Red light flashing	SIM card not detected
	Light off	No signals
4G	Blue	4G registered network

4G	Light off	4G unregistered network
5G	Blue	5G registered network
5G	Light off	5G unregistered network
WiFi	Blue	WiFi open
	Light off	WiFi not open
POWER	Blue	The external power is normal, and the data terminal is turned on
	Light off	The external power is abnormal, and the data terminal is shut down

4. Access To The Internet

The data terminal supports RJ45 standard network cable or WiFi connection to the computer without any driver. Support Windows XP, Windows 7, Windows 8, MAC OS, Linux, Android and other operating systems.

4.1 Data Terminal Preparation

Before accessing the internet, please check the following options:

- Whether the SIM card is valid and has been correctly inserted into the data terminal, and whether it can be recognized normally.
- The power light is on.
- The signal indicator light is on, showing green, and showing blue or red when the signal is weak.
- The 4G or 5G indicator lights up and turns Blue.

4.2 Connect Computer

The data terminal and computer can be connected through a standard RJ45 network cable or WiFi. When connecting via WiFi, please refer to the nameplate on the bottom of the data terminal for SSID and WiFi password information. The SSID and WiFi password of each data terminal are unique. Regardless of the connection method, ensure that the computer's IP address

acquisition method is set to "obtain an IP address automatically".

4.3 Log in to the data terminal

After the computer obtains the IP address, enter user name and password found at the bottom of the device to access the data terminal configuration page, which is the web management page. The factory default user name and password for the data terminal can also be obtained from the information provided at the bottom of the device.

5. Configure Data Terminal

When configuring the data terminal, please make sure that the data terminal is working normally and the computer is connected to the data terminal. Then log in to the web management page to configure. Please carefully configure some parameters on the web management page according to the operator's recommendations. Improper configuration may result in inability to access the Internet.

Primary menu	Secondary menu	Operational instructions
System Status	WAN Information	You can check WAN wireless information,network parameters,signal strength,APN information and neighborhood information.
	DHCP Information	View the DHCP status and list of connected devices on the LAN side.
	2.4G WiFi Information	View 2.4G WiFi network information and user information.
	5G WiFi Information	View 5G WiFi network information and user information.
	Device Information	View device running status, memory usage, etc.
Internet Function	Network Setting	Set the network mode and configure network:flight

		mode,data switch and data roaming.
	APN Settings	Set the access name when dialing. This item needs to be set according to the requirements of the operator. Changing it may cause the terminal to not work normally.
	SIM Function	Set a PIN code.
	Traffic Setting	Enable traffic restriction.
	Network Acceleration	Enable network acceleration and edit special port exclusion list.
WiFi Settings	2.4G WiFi Settings	You can turn on/off the WiFi function, view/change WiFi SSID, password, encryption method, etc. Users can modify the SSID, password and encryption method of the data terminal WiFi here.
	2.4G WiFi Advance Settings	You can set the WiFi TX power, channel, WiFi mode,bandwidth, and maximum number of connected users.
	5G WiFi Settings	You can turn on/off the WiFi function, view/change WiFi SSID, password, encryption method, etc. Users can modify the SSID, password and encryption method of the data terminal WiFi here.

	5G WiFi Advance Settings	You can set the WiFi TX power, channel, WiFi mode,bandwidth, and maximum number of connected users.
Device Settings	DHCP Settings	Set IP address management on the LAN side.
	Route Settings	Design parameters such as static routing.
	VPN Settings	Enable and configure the VPN.
Firewall	DMZ	Enable DMZ.
	Port Forwarding	Set port forwarding.
	Filtering Rules	Port filtering: set the port number to be filtered. IP address filtering: set the IP address to be filtered. MAC address filtering: set the MAC address to be filtered.
	URL Filter	Set the website addresses that need to be filtered.
	IP MAC Binding	Set binding IP and MAC address.
	DDOS Protection	Enable DDOS protection.
Management	System Settings	Modify password: modify the password for logging in to the terminal configuration page. Time setting: set the terminal system time. Restore factory settings: restore the terminal to factory settings.
	Intelligent Setting	Intelligent Restart: customize the restart time.
	System Log	System debugging information

		for professionals to view.
	System Upgrade	Upgrading system.
	Network Tools	ping,trace function.
	Reboot	Terminal can be restarted.

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 20 cm 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.