840mm

140mm

105mm

ZLT P90 User Manual

V1.0

Thank you for choosing our wireless data terminal product. In order to make you better use the terminal, please read this manual carefully and keep it for use after reading.

Please note that we reserve the right to make changes to the content and specifications of this manual. We will timely improve the printing errors and inconsistencies with the latest information. All changes will be made without prior notice. We reserve the right of final interpretation.

ZLT P90 is an outdoor CAT.6/ 6A UTP, which converts all wireless network data to wired network port data. The device adopts built-in high-gain directional antenna and omnidirectional antenna, with stable signal, fast speed, long distance, and low-cost networking data transmission. Suitable for home or business scenarios requiring rapid deployment of monitoring network.

I. Main technical indicators of products

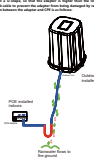
- Operating temperature:
  Working temperature: -40℃ -55 ℃ Other: -40 ℃ - 55 ℃ Storage temperature: -40℃ -70℃
- Relative Humidity: 5%~95%
- Power supply: Power supply 24V/1A, (power indoors, working temperature: -20℃ ~ +40℃)
- Size: (H) mm * (W) mm * (D) mm
- Net Weight: 0.5KG

II. Installation instructions

1) Take out the outdoor wireless data terminal, install the bracket and the outdoor wireless data terminal together, and integrate the bracket and the outdoor wireless data terminal, and fix the bracket and the outdoor wireless data terminal in the position that needs to be installed. Please refer to the installation diagram for details.
2) Install the RJ45 and trim the cord end according to the direction marked on the terminal, and lock the cover of the cord slot and the waterproof part of the cord slot cover to the base of the terminal.
3) According to the actual situation, choose the appropriate length of RJ45 network cable (Less than 100m in length), pay attention to the use of standard 8 core network cable, and then pass the network cable through the cable hole on the waterproof protective cover, and insert the cable into the RJ45 network port.
4) There are two ways to supply power to outdoor wireless data terminals. One is to supply power to the POE power supply through the network cable and connect to the WAN port of the indoor unit. In this way, only the network cable connected to the outdoor unit is connected to 48Vdc port of the indoor unit, and then the indoor unit is powered, and the outdoor unit can start and work. Another way is to purchase our standard POE power supply, connect the network cable connected to the POE port of the POE power supply, and then insert the POE power supply into the 220V power socket, you can give the outdoor power supply.

Warning:

1. **Electrical/ESD sensitive.**
2. **When take the SIM card, do not touch the metal contact surface to avoid electrostatic damage to the card.**
3. **The distance between the indoor POE adapter reserve length of the network cable is ≥ 5 steps, so that the adapter is higher than the lowest point of the network cable to prevent the adapter from being damaged by rain.The connection diagram between the adapter and LPU**



III. About the data terminals

The terminal is an outdoor RS232/485 network, and can be used with POE power supply, or equipped with our indoor machine.

3.1 Appearance &interface description

Figure 1 Appearance diagram

Figure 2. Appearance view

Interface	Interface sizes	Remarks
LAN	Ethernet interface for POE power supply, 10/100M adaptive, with RJ45 protection	
Φ7	Φ7 round interface, please insert the Φ5 round core according to the direction marked	Please do not plug in the Φ7 cord when it is idle.

Indicator	State	Description
PWR	Φ5	Power supply & normal boot state
SIG	Φ5	Power supply & normal boot state
Φ7	Φ5	Network port connection is normal
	Φ5	Network port connection is normal
	Blinking	There is data receiving and receiving at the network port
	Φ5	Φ5 Light ●
Φ7	Φ5	The number of signal bars shows that the radio signal strength The signal is 4 and it has reached the best condition

3.2 Access to the Internet

The terminal supports RJ45 standard network cable access to connect the computer, without any driver. Support Windows XP, Windows 7, Windows 8, Windows 10, Mac OS, Linux, Android and other operating systems

4.1 Data terminal conditions

Before accessing the terminal, check the following options:

- The power indicator is on.
- The RJ45 Link & Active indicator shows that the network cable is plugged in correctly.
- Whether the SIG lights are on or not, the more lights on, the stronger the signal is, indicates a good signal strength.

4.2 Connecting Computers

The terminal and the computer can be connected through the RJ45 standard network cable, please set the computer address acquisition mode to "automatically obtain an IP address".

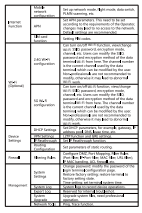
4.3 Access Utility Testing

Enter the IP address (see the name label on the device) in the browser, then enter the username and password to access the terminal's configuration page (The default user name and password of the terminal is the "admin")

V. Configuration of data terminal

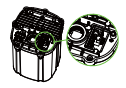
Before configuring the data terminal, make sure the data terminal works properly and the computer is connected to the data terminal. Then log in to the data terminal's configuration page for configuration. Data terminal configuration page parameters are set by users, and the terminal can be used normally after the parameters are configured. Log in to the web page by entering the IP address of the terminal in the browser, and then click "save" key to ensure the new settings.

Primary Menu	Secondary Menu	Operational instructions
Home Page	Home Page	Check the SIM card, terminal model and firmware information
	Information	Check the terminal's network information and IP address information
System Status	Client	View the terminal's client information
	Serial Port Information	View the terminal's serial port information
	Network Information	View the LAN network information and user information
	Client Information	View the terminal's client information
	Log Information	View device running status, memory usage



VI. Installation instructions

6.1 Insert the SIM card into the card slot in the direction indicated



6.2 Cover the waterproof ring and SIM card cover, and tighten the screws

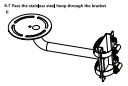
6.3 Tighten the screws in the center of the bracket, (do not tighten them too tightly)

6.4 Pass the network cable through the externally hooped cable fixing head in order, paying attention to the direction (waterproof ring 2 can be cut and used)

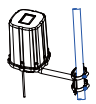
6.5 Pass the waterproof squeeze ring into the buckle slot (put 2 in the port shown into 3)

6.6 First insert the network cable into the LAN/WAN port of the outdoor unit, and then tighten the externally hooped cable fixing head (if it is not tightened, the waterproof effect will not be achieved)

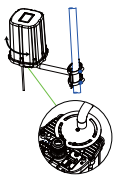
6.7 Pass the stainless steel hoop through the bracket



6.8 Secure the stainless steel hoop to the retaining rod

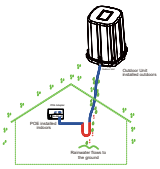


6.9 Turn the device so that it faces the base station, tighten the screws in to center of the bracket, and fasten the other two screws.

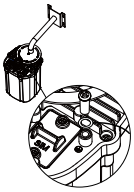


6.10 connect the network cable to the POE port of the adapter and power on the device.

Note: When connecting the outdoor unit network cable to the POE adapter, reserve a certain length of network cable according to the following figure to ensure that the lowest point of the network cable is lower than that of the adapter to prevent rainwater from flowing into the adapter.



6.11 If conditions permit, please ground the equipment.



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.

正面

反面

裁切线 ——————

折叠线 – – – – –

展开尺寸：W840x H140mm，折后尺寸：W105 x H140mm，

材质：80g书写纸，单黑双面印刷

	签名	日期	名称	料号		图号	版本号
设计	胡林祥	2024.11.11	P90 USA748 说明书	01.80110709			SP-0
核对				数量	图纸比例	机 型	
审核			材料	1			
标准				广州通则康威科技股份有限公司			
工艺							
批准							