Wireless Data Capture Terminal
Product Manual

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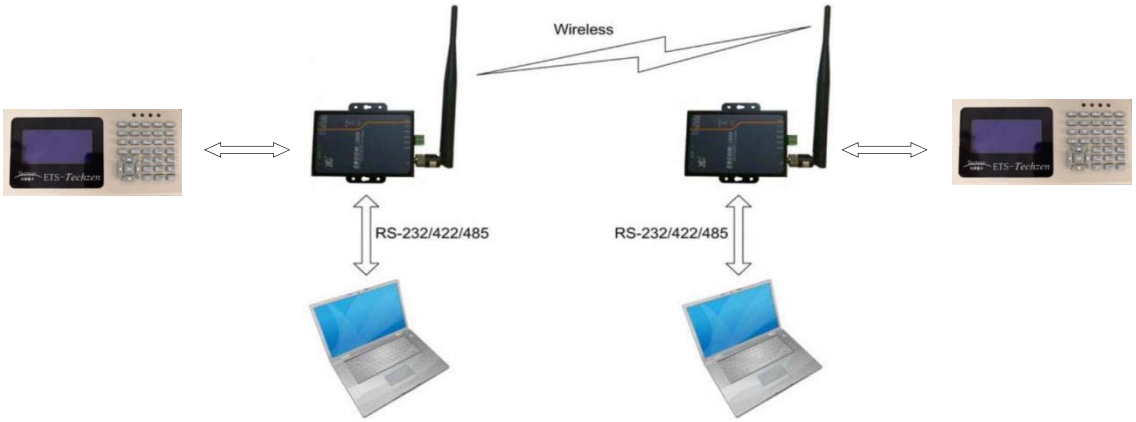


Last Update Time: 26 November 2019

File Version: 0.0.1

Content

Document Overview

Wireless Data Capture Terminal Product Manual is used for helping user to know the product hardware composition and its function.

About Wireless Data Capture Terminal

Application： Widely used in textile and garment industry,the traditional textile and clothing industry has been upgraded to intellectualization, informatization and automation.

In ETS clothing production management system necessary data acquisition hardware equipment.

◆Simple and reliable structure, not easy to damage

◆Supporting background management software, customized services

◆ZigBee Wireless communication, simple wiring

◆Simple operation, convenient to use

◆Online upgrade program

Embedded ZICM2410PX-JN a series of Zigbee wireless module is Guangzhou ZHIYUAN Electronics CO., LTD. Based on the NXP JN5168 low power consumption for chip development、 high performance ZigBee module, used to replace the CEL Zigbee module(ZICM2410 series). Working standard ISM frequency band（2405MHz-2480MHz）, Perfect support FastZigbee、ZLG NET、IEEE802.15.4、JaNet-IP、Zigbee Light Link、Zigbee Smart Energy、RF4CE、ZigBee-PRO etc.

Quick Start

Appearance Model

Model:TZ2GDDZF

Name: Wireless Data capture Terminal

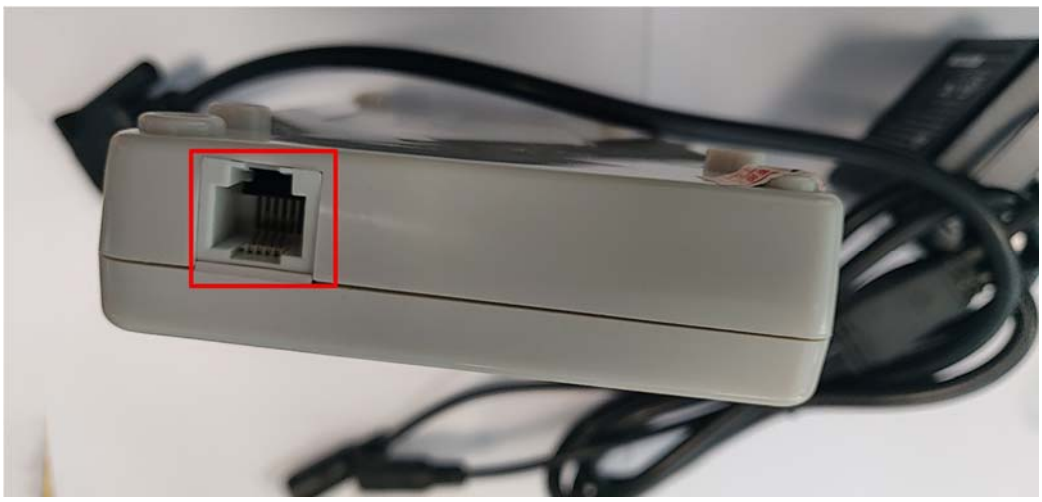
Accessories

Contains: The power adapter, connecting line, connections port.

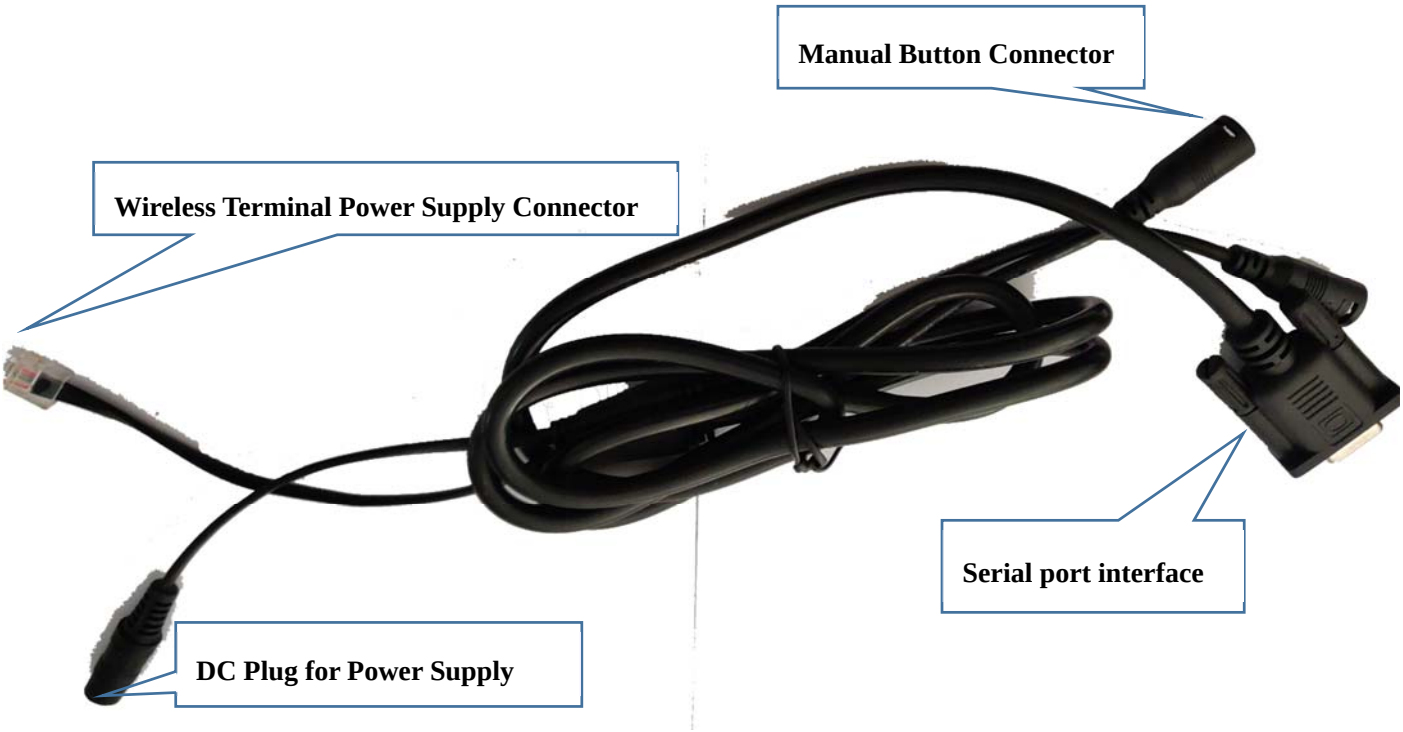
Power Adapter

DC,9V2A
INPUT: 100-240Vac,50/60HZ 0.5A
OUTPUT: DC9V-2000mA

Connections Port



Connecting Line



Parameter setting

1. Channel Number Display: press the button “Setup” and then press “down”;

2. Select ‘Channel Settings’，and press “OK” ;

3. The first item is the display channel number and destination network address.

4.The second item sets the channel number and destination network address.

Technical Parameter

MCU	32bit
Communication mode	Zigbee, RFID
Zigbee Frequency range	2405MHz-2480MHz
RFID Frequency	125k
Zigbee number of channels	16
Rate	250K
Network distance	≤100m
Network load	30-40terminals/Single Network
Working power supply	DC9V-2000mA
Rated power	2W
Operating environment	-20℃～+65℃0～ 90%RH
Size	166mm*86mm*26mm

Safety Summary

1. Connect the adapter properly.
2. Do not operate without covers.
3. Do not operate in an explosive atmosphere.
4. Do not operate in wet conditions.
5. Keep product surface clean and dry.

FCC regulatory conformance：

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.

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

NOTE: 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

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

IC regulatory conformance

This device complies with CAN ICES-003 (B)/NMB-003(B).

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme à la norme CAN ICES-003 (B)/NMB-003 (B).

Cet appareil contient des émetteurs / récepteurs exempt (s) de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas provoquer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

RF Exposure

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.
Cet équipement est conforme aux limites d'exposition aux radiations de la IC définies pour un environnement non contrôlé.