

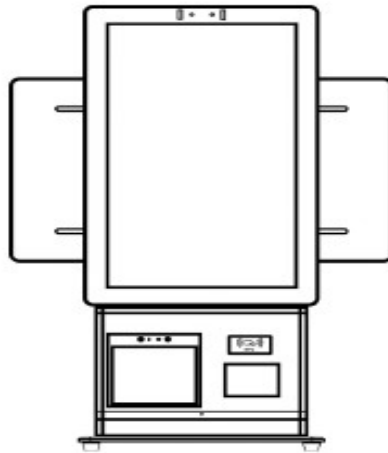
WestarPOS

CRS001 and ATT900

POS Kiosk User Manual

POS 自助终端用户说明书

FCC REVIEW EDITION



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Document Information 文件信息

Field 项目	Information 信息
Product name 产品名称	POS Kiosk / POS 自助终端
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Scope 适用范围

This manual covers CRS001 and ATT900 equipped with an Intel Celeron J6412 mainboard, 18.5-inch touch display, thermal printer, barcode scanner, NFC reader, camera, Wi-Fi and Bluetooth.

本说明书适用于配备 Intel Celeron J6412 主板、18.5 英寸触摸显示器、热敏打印机、条码扫码器、NFC 读卡器、摄像头、Wi-Fi 和蓝牙的 CRS001 及 ATT900。

Contents 目录

Section 章节	Title 标题
1	Safety Instructions 安全说明
2	Product Overview 产品概述
3	Installation 安装
4	Operation 操作
5	Maintenance and Troubleshooting 维护与故障处理
6	Technical Specifications 技术规格
7	FCC Compliance Information FCC 合规信息
8	Service and Warranty 服务与保修

Read this manual before installation and keep it for future reference. Installation and servicing must be performed by qualified personnel.

安装前请阅读本说明书并妥善保管。安装及维修工作应由具备相应能力的人员完成。

1 Safety Instructions 1 安全说明

1.1 Electrical Safety 1.1 电气安全

- Use only the supplied AC/DC adapter and power cable.
仅使用随产品提供的电源适配器和电源线。
- Connect the adapter to a 100-240 Vac, 50/60 Hz outlet. The kiosk input is 12 Vdc.
将适配器连接至 100-240Vac、50/60Hz 插座；设备输入为 12Vdc。
- Disconnect power before cleaning, moving, opening or servicing the equipment.
清洁、移动、打开或维修设备前，请断开电源。
- Do not use a damaged cable, plug or adapter.
请勿使用损坏的电源线、插头或适配器。
- The outlet must be near the equipment and easily accessible.
电源插座应位于设备附近并方便操作。

1.2 Installation Safety 1.2 安装安全

- Indoor use only. Keep away from rain, liquids, dust, heat and direct sunlight.
仅限室内使用。设备应远离雨水、液体、灰尘、热源和阳光直射。
- Place the kiosk on a stable, level surface and keep ventilation openings clear.
将设备放置在稳定、水平的位置，并保持通风口畅通。
- Do not relocate, replace or modify the internal antennas or wireless module.
请勿移动、更换或改装内部天线及无线模块。
- Keep hands away from the printer cutter and allow the print head to cool before cleaning.
请勿触碰打印机切刀；清洁前应等待打印头冷却。
- There are no user-serviceable parts inside. Refer servicing to qualified personnel.
设备内部无用户可维修部件，请联系专业人员进行维修。

1.3 Emergency 1.3 紧急情况

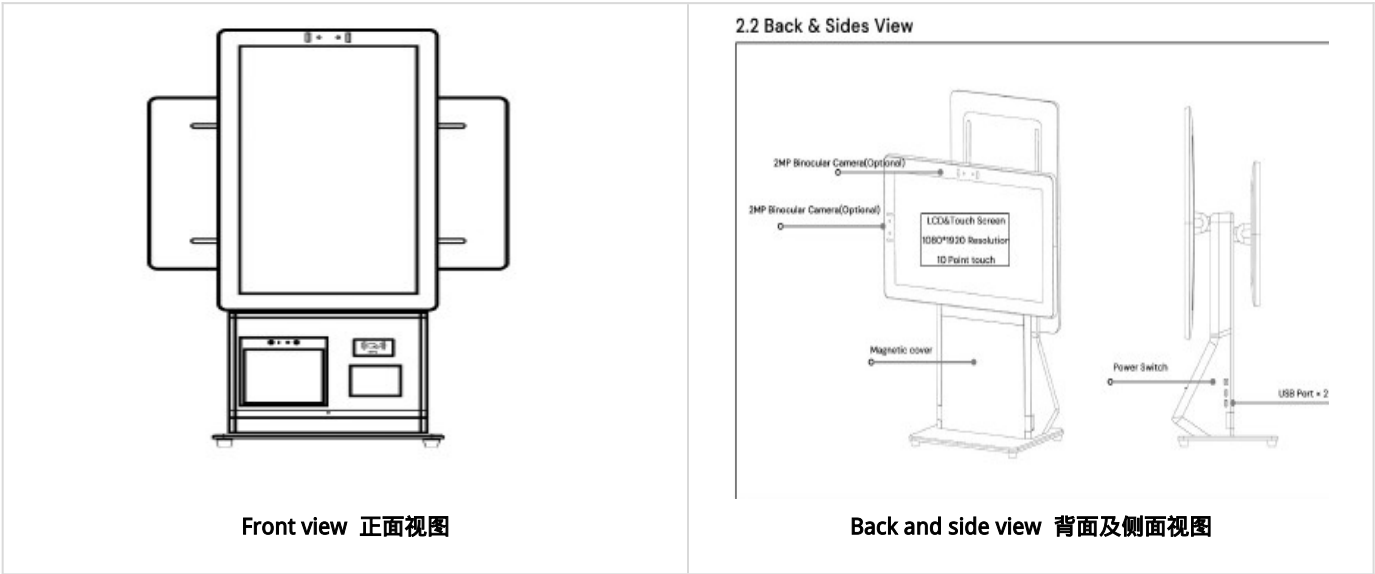
If smoke, unusual odor, abnormal sound, liquid ingress or overheating occurs, turn off the kiosk, disconnect the adapter and contact service personnel.

如出现冒烟、异味、异常声音、液体进入或过热，请立即关机、断开适配器并联系维修人员。

2 Product Overview 2 产品概述

CRS001 / ATT900 is a self-service POS kiosk for ordering, checkout, receipt printing, barcode scanning, NFC reading and image capture. Functions depend on the ordered configuration and installed software.

CRS001 / ATT900 用于自助点单、结账、打印小票、条码扫描、NFC 读取及图像采集。实际功能取决于订购配置及安装的软件。



2.1 Packing List 2.1 包装清单

Item 物品	Qty 数量
CRS001 / ATT900 POS kiosk 整机	1
AC/DC adapter 电源适配器	1
AC power cable 电源线	1
80 mm thermal paper roll 80mm 热敏纸卷	1
User manual 用户说明书	1

Check the package before use. Contact the supplier if any item is damaged or missing.

使用前请检查包装。如有物品损坏或缺失，请联系供应商。

2.2 Components and Interfaces 2.2 部件及接口

Component 部件	Description 说明
18.5-inch touch display 触摸显示器	1920 x 1080; 10-point capacitive touch / 1920 x 1080 ; 10 点电容触摸
Thermal printer 热敏打印机	80 mm receipt printer / 80mm 小票打印机
Barcode scanner 条码扫码器	MINDEO MP718; QR and barcode reading / 支持二维码及条码读取
NFC reader NFC 读卡器	13.56 MHz; USB interface / 13.56MHz ; USB 接口
Camera 摄像头	USB 2.0 camera / USB 2.0 摄像头
Speakers 扬声器	Two 4 ohm, 3 W speakers / 2 个 4 欧姆、3W 扬声器
Wireless 无线连接	2.4/5 GHz Wi-Fi and Bluetooth / 2.4/5GHz Wi-Fi 及蓝牙

2.3 Mainboard Ports 2.3 主板输入输出接口

Port 接口	Function 功能
DC IN	12 Vdc power input / 12Vdc 电源输入
COM	Serial communication, optional / 串行通信，可选
VGA	External display output / 外接显示输出
USB 2.0	USB peripheral connection / USB 外设连接
LAN RJ45	Ethernet network / 有线网络
MIC IN	Microphone input / 麦克风输入
LINE OUT	Audio output / 音频输出
RJ11	Cash drawer connection / 钱箱连接

Port quantity and optional functions may vary by production configuration. Use only the interfaces on the delivered unit.

接口数量及可选功能可能随量产配置变化，请以交付设备上的实际接口为准。

3 Installation 3 安装

3.1 Placement 3.1 放置设备

- Remove the packaging and place the kiosk upright on a stable, level surface.
拆除包装后，将设备直立放置在稳定、水平的位置。
- Leave space around the rear and sides for ventilation and cable routing.
设备背面及侧面应保留足够空间，用于通风及布线。
- Keep all cables away from walkways and moving parts.
所有线缆应避开人员通道及活动部件。

3.2 Install Thermal Paper 3.2 安装热敏纸

- Press and lift the printer cover.
按下并抬起打印机上盖。
- Place the 80 mm paper roll in the compartment with the printable side facing the print head.
将 80mm 纸卷装入纸仓，打印面朝向打印头。
- Pull a short length of paper past the cutter and close the cover until it locks.
将少量打印纸拉过切刀，然后合上上盖直至锁定。
- Perform a test print and confirm that paper feeds correctly.
执行测试打印，确认走纸正常。

3.3 Connect and Power On 3.3 连接与开机

- Connect required LAN and USB peripherals before applying power.
接通电源前，先连接所需的 LAN 及 USB 外设。
- Insert the adapter DC plug into the kiosk DC input.
将适配器直流插头插入设备 DC 输入接口。
- Connect the AC cable to the adapter and then to a suitable outlet.
将交流电源线连接至适配器，再连接到合适的电源插座。
- Press the power switch and wait for the operating system to start.
按下电源开关，等待操作系统启动。

4 Operation 4 操作

4.1 Normal Use 4.1 日常使用

- Use the touch screen to operate the installed POS application.
通过触摸屏操作已安装的 POS 应用程序。
- Configure Ethernet or Wi-Fi in the operating system network settings.
在操作系统网络设置中配置有线网络或 Wi-Fi。
- Present a barcode or QR code in front of the scanner window.
将条码或二维码置于扫码窗口前。
- Present a supported card or device near the NFC reading area.
将支持的卡片或设备靠近 NFC 读取区域。
- Keep the printer paper path clear while a receipt is printing.
打印小票时，请保持打印机出纸通道畅通。

4.2 Shutdown 4.2 关机

Close running applications and use the operating system shutdown command. Disconnect the AC power only after the system has shut down.

关闭正在运行的应用程序，并使用操作系统的关机功能。系统完成关机后再断开交流电源。

4.3 Peripheral Notes 4.3 外设说明

Device 设备	Operating note 操作说明
Printer 打印机	Use 80 mm thermal paper. Do not pull paper backward. / 使用 80mm 热敏纸，请勿反向拉纸。
Scanner 扫码器	Keep the scanning window clean and free of scratches. / 保持扫码窗口清洁并避免刮伤。
NFC reader NFC 读卡器	Hold the card steady near the marked reading area. / 将卡片稳定靠近标示的读取区域。
Camera 摄像头	Do not cover the lens. Use only with authorized software. / 请勿遮挡镜头，仅配合授权软件使用。

5 Maintenance and Troubleshooting 5 维护与故障处理

5.1 Cleaning 5.1 清洁

- Turn off and disconnect power before cleaning.
清洁前请关机并断开电源。
- Use a soft, lint-free cloth. Do not spray liquid directly onto the kiosk.
使用柔软的无绒布，请勿将液体直接喷到设备上。
- Do not use alcohol, abrasive cleaners or corrosive solvents on plastic surfaces.
塑胶表面请勿使用酒精、研磨清洁剂或腐蚀性溶剂。
- Clean the scanner window and camera lens gently.
轻柔清洁扫码窗口及摄像头镜头。

5.2 Troubleshooting 5.2 故障处理

Symptom 现象	Action 处理方法
No power 无法开机	Check the outlet, AC cable, adapter and DC connector. / 检查插座、电源线、适配器及 DC 接口。
No network 无网络	Check LAN cable or Wi-Fi settings, then restart the network connection. / 检查网线或 Wi-Fi 设置，并重新连接网络。
Printer does not print 打印机不打印	Check paper orientation, cover lock and application printer settings. / 检查纸卷方向、上盖锁定及软件打印设置。
Scanner does not read 无法扫码	Clean the window and adjust code distance and angle. / 清洁窗口并调整条码距离及角度。
Touch not responding 触摸无响应	Restart the application or system. Contact service if the issue remains. / 重启应用程序或系统，如问题仍存在请联系售后。

Do not open the enclosure to troubleshoot internal circuits. Unauthorized servicing may create safety and compliance risks.
请勿通过打开外壳检查内部电路。未经授权的维修可能造成安全及合规风险。

6 Technical Specifications 6 技术规格

Item 项目	Specification 规格
Models 型号	CRS001, ATT900
Processor 处理器	Intel Celeron J6412
Memory 内存	8 GB
Storage 存储	256 GB M.2 SSD
Display 显示器	QV185FHB-N84, 18.5 inch, 1920 x 1080, eDP
Touch 触摸	YTG-G185062 / ILI2510-3, USB
Printer 打印机	ICOD PT-80KM, 80 mm thermal, USB, 12 Vdc 4 A
Scanner 扫码器	MINDEO MP718, USB HID, 5 Vdc
NFC reader NFC 读卡器	M13, 13.56 MHz, USB, 5 Vdc
Camera 摄像头	JSK-S8130X2-V3.2, USB 2.0, 5 Vdc, 1 W max.
Wi-Fi and Bluetooth 无线模块	Realtek RTL8822CE, 2.4 GHz / 5 GHz Wi-Fi and Bluetooth
Antennas 天线	2 x FPC antennas, I-PEX, 15 cm cable, declared maximum gain 3.5 dBi
Speakers 扬声器	2 x 4 ohm / 3 W
AC/DC adapter 电源适配器	CWT 2AAL090F
Adapter input 适配器输入	100-240 Vac, 50/60 Hz, 1.5 A
Adapter output 适配器输出	12 Vdc, 7.5 A, 90 W

Specifications may be updated without notice. The delivered product label and approved certification documents take precedence.

产品规格可能更新，请以交付产品铭牌及获批的认证文件为准。

7 FCC Compliance Information 7 FCC 合规信息

7.1 Part 15 Statement 7.1 Part 15 声明

This device complies with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) this device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation.

本设备符合 FCC 规则第 15 部分。设备运行须符合以下两个条件：(1) 本设备不得造成有害干扰；(2) 本设备必须接受任何收到的干扰，包括可能导致非预期运行的干扰。

7.2 Modification Warning 7.2 改装警告

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

未经合规责任方明确批准而进行变更或改装，可能导致用户失去操作本设备的权利。

7.3 RF Exposure Statement 7.3 射频暴露声明

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. It must be installed and operated with a minimum distance of 20 cm between the radiator and the user or nearby persons.

本设备符合 FCC 针对非受控环境规定的射频暴露限值。安装及运行时，辐射源与用户或附近人员之间应保持至少 20cm 距离。

The transmitter must not be co-located or operated with another antenna or transmitter unless the configuration has been evaluated and approved.

除非相关配置已经完成评估并获批，否则本发射器不得与其他天线或发射器位于同一位置或同时运行。

7.4 Wireless Configuration 7.4 无线配置

Item 项目	Declared configuration 申报配置
Radio module 无线模块	RTL8822CE
Functions 功能	2.4 GHz Wi-Fi, 5 GHz Wi-Fi, Bluetooth
Antenna type 天线类型	Two internal FPC antennas / 2 个内置 FPC 天线
Maximum gain 最大增益	3.5 dBi

Do not replace the antenna with a type having a higher gain or modify the antenna cable or installation position.

请勿更换为更高增益的天线，也不得修改天线线缆或安装位置。

7.5 Digital Device Statement 7.5 数字设备声明

Certification review note: retain only the Class A or Class B statement confirmed by the test laboratory before final issue.

认证审核提示：正式发布前，只保留实验室确认适用的 Class A 或 Class B 声明。

Option A Class A Statement 选项 A Class A 声明

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

本设备经测试符合 FCC 规则第 15 部分对 Class A 数字设备的限制要求。该限制旨在为设备在商业环境中运行时提供合理的有害干扰防护。

This equipment generates, uses and can radiate radio frequency energy. If not installed and used according to the instruction manual, it may cause harmful interference to radio communications. Operation in a residential area is likely to cause harmful interference, in which case the user must correct the interference at the user's own expense.

本设备会产生、使用并可能辐射射频能量。如未按照说明书安装和使用，可能对无线电通信造成有害干扰。在住宅区运行本设备可能造成有害干扰，用户须自行承担排除干扰的费用。

Option B Class B Statement 选项 B Class B 声明

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 provide reasonable protection against harmful interference in a residential installation.

本设备经测试符合 FCC 规则第 15 部分对 Class B 数字设备的限制要求。该限制旨在为住宅环境中的安装提供合理的有害干扰防护。

This equipment generates, uses and can radiate radio frequency energy. If not installed and used according to the instructions, it may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation.

本设备会产生、使用并可能辐射射频能量。如未按照说明安装和使用，可能对无线电通信造成有害干扰，但不能保证特定安装环境中不会发生干扰。

- Reorient or relocate the receiving antenna.
重新调整或移动接收天线。
- Increase the separation between the equipment and receiver.
增加设备与接收器之间的距离。
- Connect the equipment to an outlet on a circuit different from the receiver.
将设备连接到与接收器不同电路的插座。
- Consult the dealer or an experienced radio or TV technician.
咨询经销商或有经验的广播电视技术人员。

7.6 FCC Responsible Party 7.6 FCC 责任方

Field 项目	Information 信息
FCC ID	Pending assignment / 待认证机构提供
Product models 产品型号	CRS001, ATT900
United States responsible party 美国责任方	To be provided before final issue / 正式发布前补充
Address 地址	To be provided / 待补充
Telephone or website 电话或网站	To be provided / 待补充

If the final product relies on a certified radio module, apply the required Contains FCC ID marking and related host instructions as confirmed by the certification body.

如果整机使用已获认证的无线模块，应根据认证机构确认的要求标注 Contains FCC ID 并加入相应的主机使用说明。

8 Service and Warranty 8 服务与保修

The product is covered by the warranty terms stated in the sales agreement. Keep the purchase record and product serial number. Damage caused by misuse, unauthorized modification, liquid ingress or use of unapproved accessories may not be covered.

产品保修以销售协议中的条款为准。请保留购买记录及产品序列号。因错误使用、未经授权的改装、液体进入或使用未经认可的配件造成的损坏，可能不在保修范围内。

Manufacturer 制造商

Item 项目	Information 信息
Company 公司	Shenzhen Zhaohe Technology Co., Ltd.
Address 地址	Building 1, Jingji Yujing Times Building, Longgang District, Shenzhen, China 518172
Brand 品牌	WestarPOS
Website 网站	www.westarpos.com
Email 邮箱	info@westarpos.com

For service, provide the product model, serial number, fault description and supporting photos or video.

申请售后服务时，需提供产品型号、序列号、故障描述以及相关照片或视频。