E718 AI Recognition Smart Checkout Kiosk User Manual

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Declaration

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1. Product Introduction

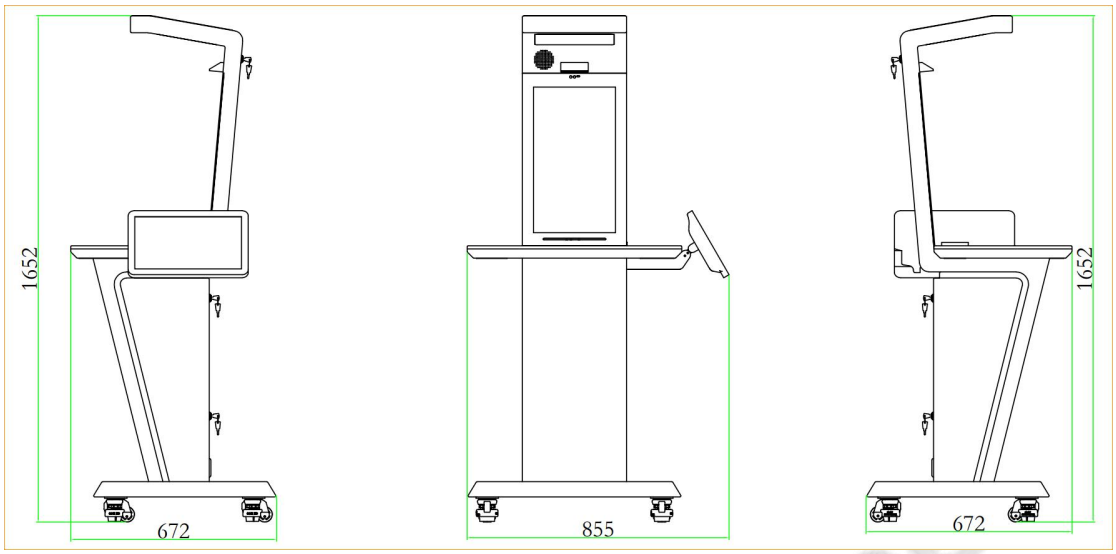
1.1. Purpose and Introduction

E718-AI smart checkout terminal with recognition features AI-driven recognition. Advanced algorithms identify trays or food contents and map them to preset prices, delivering fast calculation of meal costs.Its robust smart operating system consolidates multiple payment methods — facial, contactless-card and QR-code — within a single device. Diners can therefore complete transactions conveniently via their preferred channel.Equipped with two independently operated touch displays, the unit supports simultaneous interaction by patrons and maintenance personnel, which substantially improves practical usability.

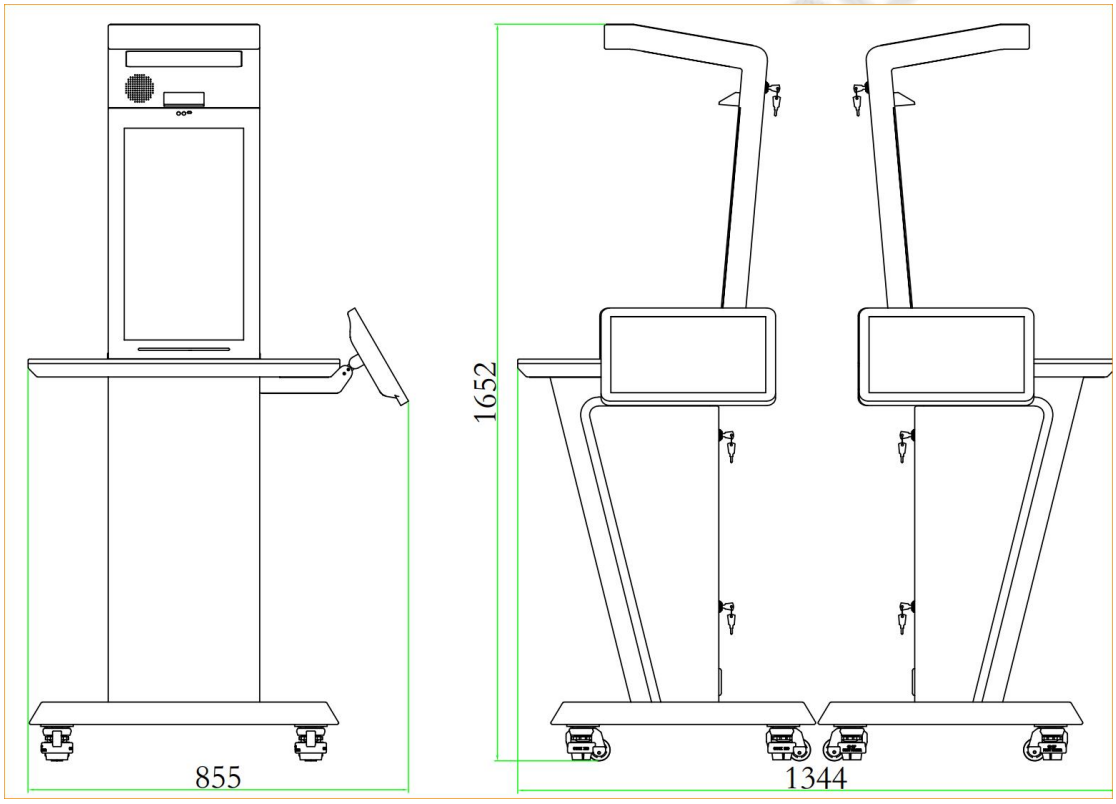
1.2. Product Appearance



Overall dimension drawing of single-lane unit:



Overall dimension drawing of dual-Lane unit:



1.3. Product Features

- Supports settlement via multiple payment methods, including facial recognition,

contactless card, and QR code scanning (both forward and reverse scanning).

- Supports offline 1:N facial recognition.
- Equipped with a binocular camera and supports liveness detection.
- Supports multiple communication methods, including TCP/IP, Wi-Fi, Bluetooth, and 4G (optional).
- Offline Storage Capacity: Transaction records can be automatically uploaded. When offline, they are stored locally and automatically uploaded upon network recovery. Supports storage of up to one million offline records.
- Multiple Recognition Algorithms: Integrated dish recognition camera with built-in AI algorithms for dish and tableware combination recognition, enabling rapid recognition and pricing of multiple dishes.
- Supervision Display:View consumption amounts, monitor transaction processes, view transaction records, perform statistical queries, configure meal types, perform terminal queries, and process refunds.
- Equipped with RS232 and USB interfaces, allowing integration with third-party hardware devices.

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1.4. Technical Specifications

Central Processing Unit	A 64-bit octa-core CPU architecture.
Memory	16G FLASH，2G DDR3
Display / Touch Screen	Main screen: 21.5-inch color display, 1080P resolution, multi-touch capacitive screen Secondary screen: 15.6-inch color display, 1080P resolution, multi-touch capacitive screen
QR-Code Scanning	Supports QR Code, Code 128/39 and other symbologies; enables 360° rotation reading and ±45° skew/inclination tolerance. Supports recognizing common-used offline codes.
Facial-recognition camera	Dual-lens infrared camera with 2-megapixel resolution
AI recognition camera	Single-lens color camera with 5-megapixel resolution
Fill light	Provides natural-white illumination with adjustable brightness
Keypad	On-screen virtual touch keys
SAM Card Slots	1 PSAM card slots
Contactless Card Reading	Supports contactless M1 and CPU cards; complies with ISO/IEC 14443 specifications and TYPE A/B standards.
External Interfaces	1 RJ45 port, 1RS232 Port, 1 12V port, 1 USB port ；
Communication Modes	Ethernet: 10/100 Mbps auto-negotiation. Wi-Fi: Compliant with IEEE 802.11 wireless standards; supports security authentication and various encryption types, operating on the 2.4 GHz band. Bluetooth: Bluetooth 4.0 specification. RS232: Supports multiple baud rates with 5 V power output (power output is software-controlled).
Audio-Visual Indication	Real-human voice notification
Power Supply	Adapter Input: AC 220 V, 1 A Output: DC 12 V, 5 A
Operating Environment	Operating temperature range: -10 ℃ to 50 ℃ Relative humidity range: 10% to 93% (non-condensing)
Storage Environment	Storage temperature range: -40 ℃ to 80 ℃ Relative humidity range: 5% to 95% (non-condensing)
Overall dimensions	Desktop type:672×855×1652 (mm × mm × mm)

2. Installation Instructions

2.1. Package Contents

Accessory Name	Unit	Quantity
Smart Checkout Terminal	Unit	1
Product Manual	Copy	1
Warranty Card	Page	1
Certificate of Conformity	Copy	1
Power Adapter	Piece	1
Power box key	Piece	1

2.2. Installation Steps

1) Placement:The E718 features a floor-standing design. Once positioned on a designated horizontal surface, lock the four casters of the unit to secure it in place. The facial-recognition camera must not be pointed directly at strong light sources.
2) Power supply:The supplied power adapter comes with a 3-metre cable and adopts a GB-standard three-pin plug for AC 220 V input.
3) Network:A GB-standard RJ45 port is integrated on-board.
4) Interfaces:Physical RS232 communication is provided via a GB-standard DB9 connector.

※※※ Simulated Payment: Once the device has been activated, one facial-recognition payment transaction must be performed.

3. Operation Instructions

1) Power-on:Press and hold the power button for approximately one second. The main screen will light up, signifying successful power-up.
2) Power-off / Reboot:Press and hold the power button for about three seconds. A dialogue box will appear on the display. Select the corresponding option to

complete power-off or reboot.

3) Forced shutdown:Press and hold the power button for roughly 15 seconds. An automatic power-off prompt appears, indicating the unit has been powered down successfully.

4. Precautions / Daily Maintenance

1) It is recommended to use a power strip with a fuse and ensure reliable grounding.
2) The power adapter shall not be enclosed or covered. Poor heat dissipation during long-term operation may cause fire hazards.
3) Damage to the power cord is prohibited. The device shall not be used if the power cord is worn or damaged.
4) Before connecting the power supply to the AC socket, verify that the socket output voltage complies with the rated operating voltage of the device.
5) The device shall be placed on a stable indoor platform. Installation and placement in areas with direct sunlight, high temperature, humidity or excessive dust is prohibited.
6) After the unit has been placed in its designated position, lock all swivel casters to prevent unintended movement.
7) The device shall be kept away from all types of liquid.
8) Insertion of any foreign objects into any interface of the device is strictly prohibited, as such operation may cause permanent damage to the equipment.
9) In the event of device failure, contact professional POS maintenance personnel. Unauthorized disassembly and repair by users are not permitted.
10) Prior to cleaning, power off the device thoroughly. Wipe the equipment body with a soft dry cloth. Do not use wet cloths or chemical solvents such as gasoline, alcohol and diluents.

5. Troubleshooting

1) Camera fails to activate:If the camera cannot be launched during APP payment, force-quit the APP and watchdog program. Next, open the native Android camera to verify its functionality. If the built-in camera works properly, a hardware fault can be ruled out; contact after-sales staff to reinstall and

configure the application.

2) Scanning module cannot decode normally:First check the screen brightness of the mobile phone. Insufficient brightness may lead to decoding failure. If the issue persists, consult after-sales technicians to identify whether a hardware defect exists.

3) TCP communication failure:Verify that network parameters are correctly configured and no network restrictions have been imposed by the connected server.

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