E717 Weighing&Meal Selection Terminal User Manual

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Declaration

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1. Product Introduction

1.1. Purpose and Introduction

The E717 Weighing & Meal Selection Terminal is a self-service meal-collection unit.Identity verification is accomplished by reading the QR code affixed to the tray.As diners help themselves to food, weight data from the built-in scale is used to calculate the cost of selected items.Once generated, the order is sent to the cloud platform for centralized payment deduction.Schools, enterprises and other facilities with self-service dining requirements are the primary application scenarios for this terminal.

1.2. Product Appearance

Barcode recognition model. Dimensions are shown in Figure 1.

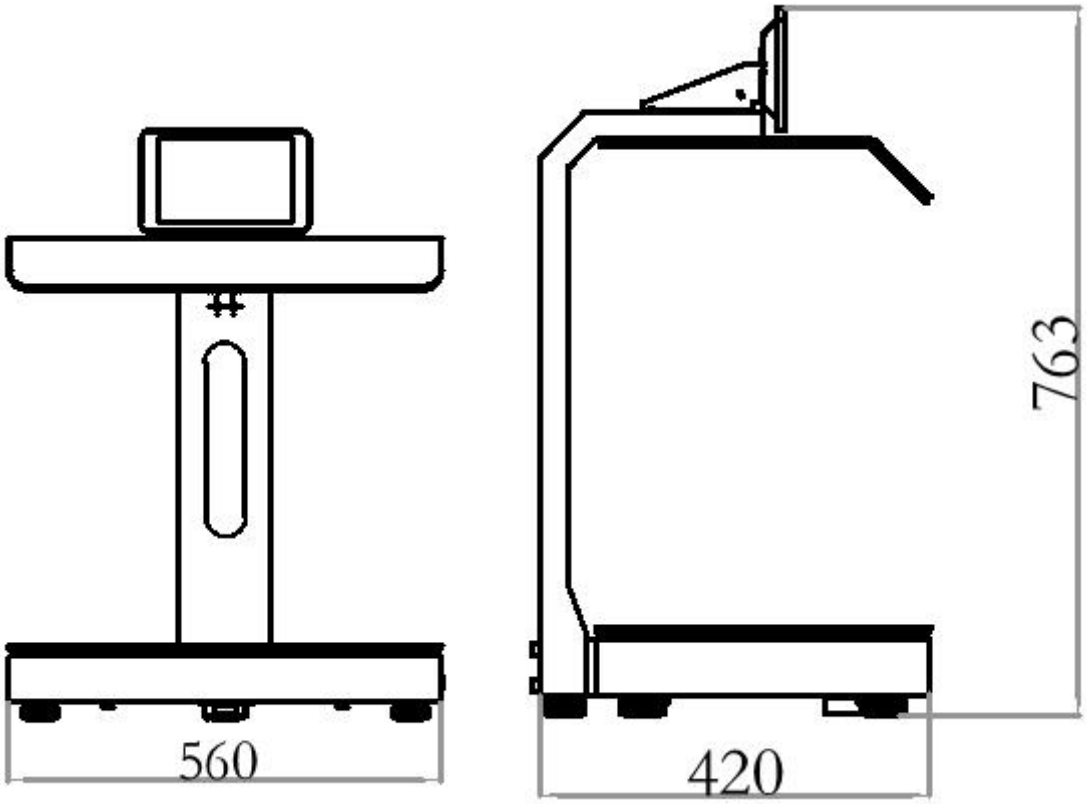


Figure 1: Barcode recognition model

RFID model. Dimensions are shown in Figure 2.



Figure 2：RFID model

1.3. Product Features

- Supports multiple communication methods, including TCP/IP, Wi-Fi, and Bluetooth.
- Self-Service Settlement: Users complete rapid self-service settlement after selecting dishes, with no queuing required.
- Data Analytics: Orders and revenue can be queried with one click, providing accurate and clear data.
- Batch Dish Management: After dishes are entered on the platform, they can be downloaded to the terminal with one click, eliminating repetitive operations.
- Equipped with RS485, RS232, and USB interfaces, allowing integration with third-party hardware devices.

1.4. Technical Specifications

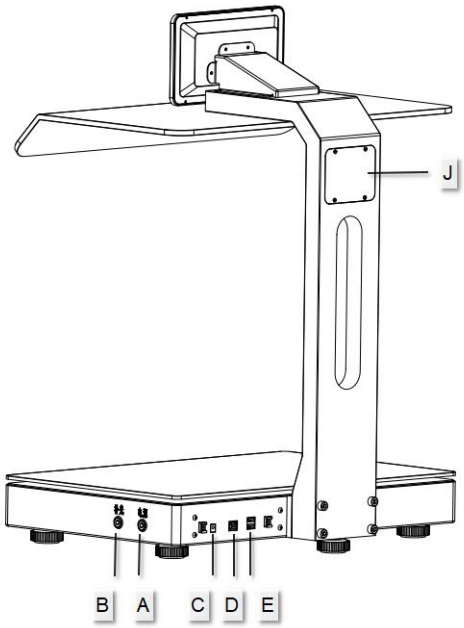
CPU	8-core A53 (64-bit),8x1.8GHz
Memory	16GB EMMC+2GB LPDDR3 933MHz
Operating System	Android 7.1
Display	8-inch touch screen, 1280 × 800(10-inch touch display optional)
Communication Mode	100M/10M TCP/IP
Weighing Range	0-30kg
Weighing Accuracy	0.01%
Division Value	1g
Interface	Host-USB
Code scanning	EAN13、EAN8、UPC-A、UPC-E0、UPC-E1、Code128、Code39、Code93、CodaBar、Interleaved 2of 5、Industrial 2 of 5、Matrix 2 of 5、Code11、MSIPlessey、Standard 2 of 5、Plessey、China Post、Code16K、GS1 Databar(RSS-Expand, RSS-Limited, RSS-14,GS1 Composite)
RFID (optional)	Dimensions: 400 × 300 × 30 mm
	Reading distance: ＞8 cm
Wifi	IEEE 802.11 a/b/g/ 2.4G
LED Indicator	Red-green
Speaker	4 Ω / 5 W
Power Supply	DC12V
Power Consumption	2A
Operating Environment	-10--+40℃
Storage Environment	-20--+60℃

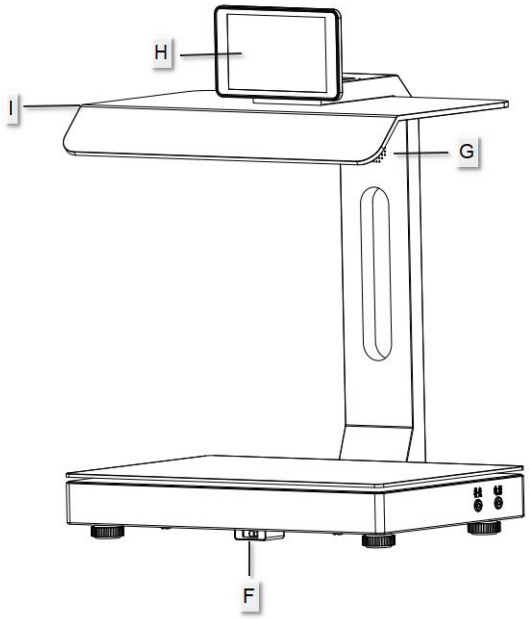
2. Installation Instructions

2.1. Package Contents

Accessory Name	Unit	Quantity
Pole assembly with display	Set	1
Base assembly with weighing cell	Set	1
Saliva guard with alarm lam	Set	1
Weighing-platform glass-5 mm	Piece	1
Power adapter	Piece	1
Cable-hiding cover	Piece	1
Wi-Fi rod antenna	Piece	1
Suction-cup screw	Piece	4
Black support foot pad	Piece	4
Miscellaneous screws	Piece	Several
Interface cover	Piece	1

2.2. Installation Steps





- A-Main power control switch
- B-Light control switch
- C-DC12V input socket
- D-RJ45 port
- E-USB: upper-Host port, lower-Device port
- F-Barcode scan head (not available on RFID model)
- G-Loudspeaker
- H-Display screen
- I-Saliva guard with alarm indicator
- J-Loudspeaker replacement cover

3. Operation Instructions

1) F2/F3: Keys for navigating up and down in the menu.To power on: With the power adapter securely connected, depress the button labelled “Power” on the right wall of the base. The unit will receive power and the display will illuminate, bringing up the startup screen;
2) To shut down: A quick press on the “Power” button located on the right-hand side of the base will release the switch and cut power to the device.
3) Light control: Activation and deactivation of the illumination lamp is done through the button marked “Light” on the base’s right wall;
4) IP address configuration: Network communication parameters may be set by accessing Settings / Ethernet / IP Settings;
5) App installation: Insert a USB flash drive into the unit’s external Host port. The system will detect the drive content; follow the on-screen instructions to complete App installation;
6) Access to App-configuration items is protected by the password 888999;
7) Specify the target smart catering platform by entering its IP address and port number, then authenticate to establish network connectivity;
8) Under parameter settings, Code-departure Time (ms) defaults to 500. A value of 1000 is suggested to mitigate code flickering;
9) Tare and zero adjustments are available both in factory-test mode and via the App interface;

10) Alarm handling: An ongoing alarm may be cleared with an administrator card, or by entering the administrator password.

4. Precautions / Daily Maintenance

1) Do not splash water onto the weighing surface. Liquid ingress may cause malfunction of the unit;
2) For routine cleaning, use a soft damp cloth to wipe the surface;
3) Adapters from other products shall not be used with this device;
4) After the metal tab is removed from the cable outlet of the cable-hiding cover, sharp metal burrs may remain. Take care to avoid cuts when pulling cables through;
5) Ensure no foreign objects are trapped between the weighing-platform glass and underlying structure;
6) The weighing assembly must be positioned on a level surface at all times;
7) Markings for scanned-plate placement should be located directly in front of the scanning dish, preferably at a distance of 6 cm or more from the device to guarantee reliable barcode reading;
8) The weighing assembly has a maximum load capacity of 30 kg. Do not place food items exceeding this weight;
9) Once all cables have been routed, remember to refit the cable-hiding cover onto the unit.

5. Troubleshooting

1) Barcode trays are placed over the scanning zone, yet scanning may drop out before meal selection is complete, triggering an unintended automatic checkout.
   A. Verify within the App under Parameter Settings / Code-departure Time that the value is set to 1500 ms.
   B. Use the factory-test App to check whether the scanning speed is excessively fast. Should response be slow, reconfigure the scanning interval.
2) The fill light beneath the scanner keeps flashing, yet no scanning action registers

within the App.

A. Exit the operational App and run a scan test in factory-test mode to confirm whether data output is being generated;

B. If no output appears during factory-test verification, retrieve and reload the relevant configuration parameters;

C. Should output still be absent after reconfiguration, the scan head may be defective; service is recommended;

D. If data output is detected but no beep is heard, the loudspeaker could be at fault. Inspect whether the speaker functions correctly;

3) Alarm is triggered when scanning the tray code

A. Confirm that the device has established a valid network connection;

B. Verify that the tray code has been registered on the smart catering platform.

4) Inaccurate weighing readings

A. Check whether tare, zeroing and calibration procedures have been completed;

B. Ensure that, under loaded conditions, the weighing-platform glass makes contact with all four sides of the base and no gap remains between the glass and weighing supports;

5) Abnormal network connection

A. Make sure the IP address has been properly configured；

B. Confirm successful login to the catering platform；

C. Verify that the RJ45 crystal crimping follows standard wiring sequence.