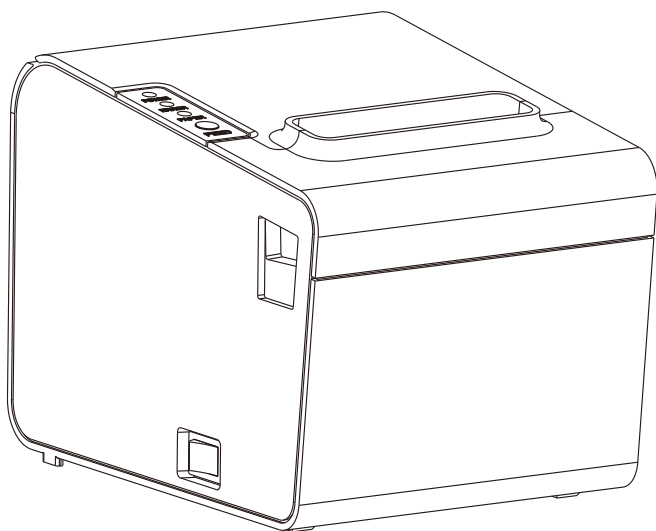


RONGTA User Manual

THERMAL RECEIPT PRINTER



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I. Product Introduction

Thank you for purchasing the RP32X series thermal receipt printer produced by our company. This thermal receipt printer provides you with safe, reliable and efficient printing quality at a reasonable economic price. At the same time, RP32X series is widely used in supermarkets, hospitals, restaurants, banks, gas stations, road and bridge toll collection and other fields due to its super functions and easy operation.

1.1 Safety Warnings

-  **Warning:** Do not touch the paper cutting knife or paper-tearing knife of the printer.
-  **Warning:** The print head is a heating component. Do not touch the print head and its surrounding components when the printer is still warm in temperature.
-  **Warning:** Do not touch the surface of the thermal print head and connectors, to avoid electrostatic damage to the print head.
-  **Warning:** This product is only suitable for the use in non-tropical climates.

1.2 Main Features

- ☐ High printing quality
- ☐ Low noise
- ☐ Support cashbox drive
- ☐ The attractive appearance
- ☐ Reasonable structure, simple use and maintenance
- ☐ Built-in data buffer that receives print data when printing
- ☐ Support USB port, serial port (RS_232), parallel port, WIFI, Ethernet port and cashbox interface (subject to actual model interface)
- ☐ The characters can be enlarged, bolded, underlined. And it can adjust the line spacing and the left-right spacing for printing
- ☐ Supports bitmap downloading and graphic printing with different densities
- ☐ Realize high-speed printing equivalent to calling built-in and cartridge font in the mode of driver printing (dot map)
- ☐ Low power consumption and low operation cost (color tape and ink cartridge are not required)
- ☐ It is compatible with ESC/POS print instruction set

II. Safety Instructions

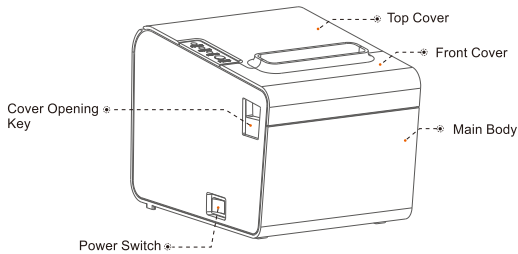
Before operating and using the printer, please carefully read the following items and strictly observe the use rules.

- ① Please install the printer on a stable surface to avoid printer suffered from any vibration and shocks.
- ② Stop using keeping the product in any case of unusual circumstances such as the presence of high temprature, high humidity and serious pollution.
- ③ Connect the printer's power adapter to an appropriate grounding socket. Avoid using the same socket with large motors or other equipment that may cause voltage fluctuation of power supply.
- ④ Do not get the product wet. Do not insert foreign objects(e.g. metal) into the product, and once it occurs, immediately turn off the power supply.
- ⑤ Never use the printer without paper, otherwise it will seriously damage the printing rubber roller and thermal head.
- ⑥ Unplug the product from the power outlet if the printer is idle for a long time.
- ⑦ Do not disassemble or modify the product personally.
- ⑧ Use only the power adapter specified in this instruction.
- ⑨ In order to ensure the printing quality and prolong the service life of the product, it is recommended to use the recommended or equivalent thermal printing paper.
- ⑩ Do not plug/unplug the product with the product powered on.
- ⑪ When plugging and unplugging the printer power cord, please hold the arrow position of the printer power connector with your hand, not the cord of the printer power cord.
- ⑫ Please keep this manual for the future use and reference.

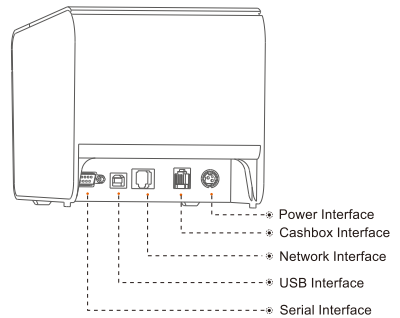
III. Appearance and Components

RP325 thermal receipt printer

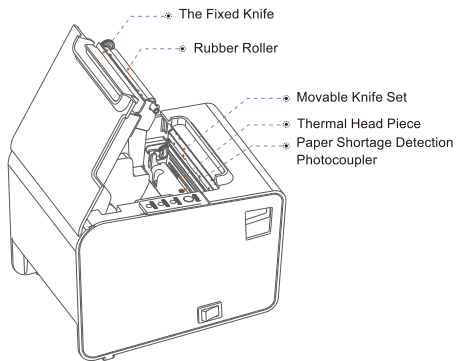
Front View



Rear View



Inside View

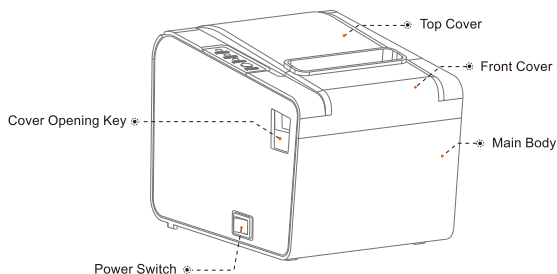


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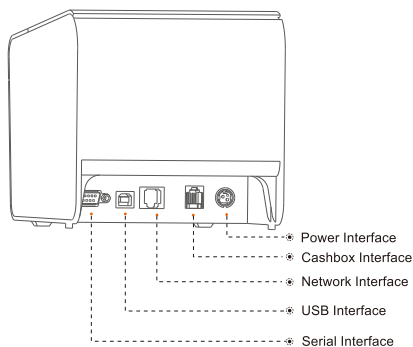
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- Cashier system of retail monopoly
- Catering cashier system
- Wireless Bluetooth printing cashier system
- Postal logistics receipt printing system
- Hotel receipt printing system

RP326 thermal receipt printer

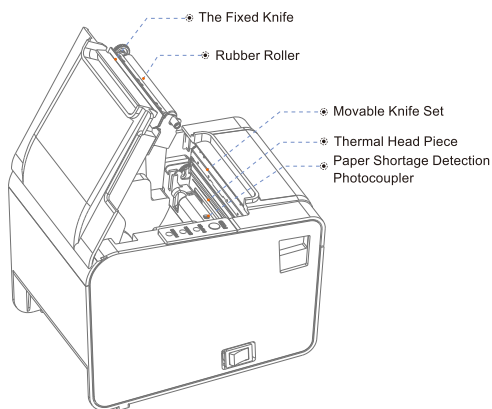
Front View



Rear View



Inside View

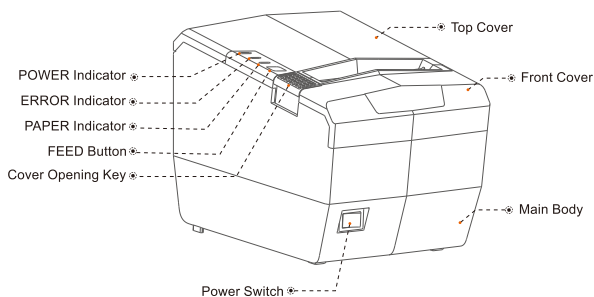


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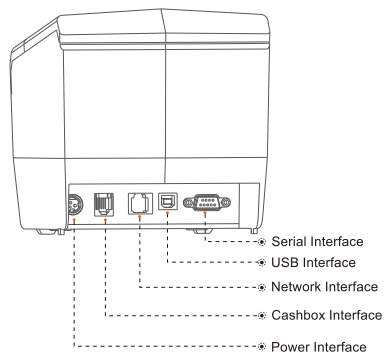
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- Cashier system of retail monopoly
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RP327 thermal receipt printer

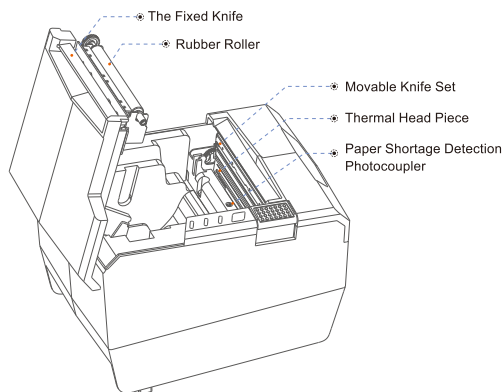
□ Front View



□ Rear View



□ Inside View

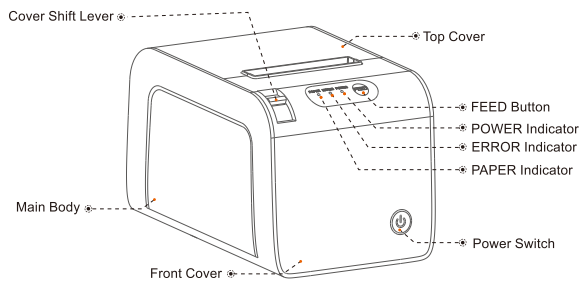


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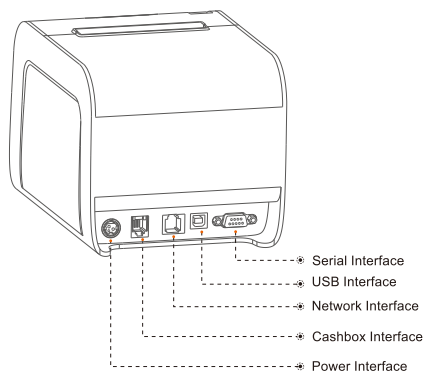
- Cashier system of places of entertainment
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RP328 thermal receipt printer

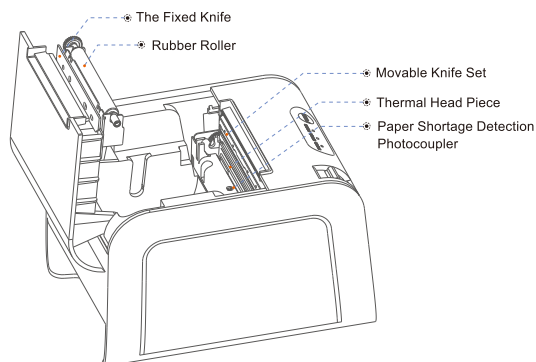
Front View



Rear View



Inside View



Application Field

- Cashier system of places of entertainment
- Cashier system of retail monopoly
- Catering cashier system
- Wireless Bluetooth printing cashier system
- Postal logistics receipt printing system
- Hotel receipt printing system

IV. Technical Parameters

4.1 Printing Parameters

Model	RP325\RP326\RP327\RP328
Printing method	Thermal line printer
Printing speed	250mm/s
Printing paper width	79.5±0.5 mm
Effective resolution	203 dpi (8 dot/mm)
Outside diameter of paper rollo	80 mm
Thickness of printing paper	0.06-0.08mm
Effective printing width	72mm or 48mm (Alternative: compatible with 58mm paper)
Dot density	576dot/line or 384dot/line
Character size	ASCII Font A: 12x24 ASCII Font B: 9x17 Chinese character 24x24
Line space	3.75mm(Use the command to adjust the line space)
Size of receive buffer	Non-page mode:4Kbytes Page mode:1M(alternative)

Print character

ASCII character set	12x24 dot, 1.25 (width)X3.00 (height)mm
National Standard Class I and II Chinese Character Font	24x24 dot, 3.00 (width)X3.00 (height)mm
Type of bar code	UPCA/UPCE/EAN13/EAN8/CODE39/I25/CodeBar/CODE128 CODE93/CODE11/MSI/QRCORE/PDF417

Extended character table
PC437、Katakana、PC850、PC860、PC863、PC865、WPC1252、PC866、PC852、PC858 etc., 50 international languages in total

Power supply

Power adapter	AC 100 ~ 240V
Input power supply	DC 24V 2.5A
Cashbox output	DC 24V 1A

Service life

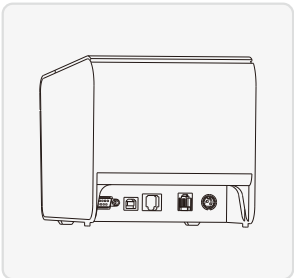
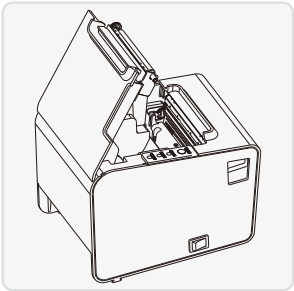
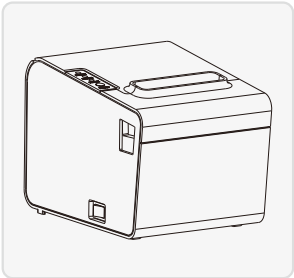
Service life	The service life of print head: 150 kilometers; The service life of inner diffusion knife: one million times
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Environmental requirements

Working environment	Operating temperature: 0~45°C, operating humidity: 20~90%
Storage environment	Storage temperature: -10~60°C, storage humidity: 10~90%

Environmental conditions

Drive	WIN2003/WINXP/WIN7/WIN8/WIN10/LINUX/Mac
Print command	ESC/POS/OPOS command compatible
Character printing	It supports double width and double height printing of AN K characters, custom characters and Chinese characters; adjusts dot patterns of character spacing for printing;
printing of dot patterns	It supports printing of dot patterns with different densities and downloaded graphics

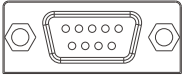
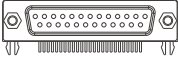


The pictures are for reference only, please subject to practicality

4.2 Printer Indicators

Type of printing paper	Thermal printing paper
Thermal paper rolls recommended	
Type of paper rolls	Specifications: AF50KS-E Manufacturer: Jujo Thermal Oy(Finland) Specifications: TF-50KS-E Manufacturer: Nippon Paper Industries Co., Ltd ⚠ Attention (1) To get the best results from the printer, choose the recommended paper or other paper with equivalent quality, otherwise the printing quality will be affected and even the service life of thermal print head will be reduced. (2) Please do not use the paper roll that the end glued on the core of the paper roll, otherwise it may cause damage to the printer. (3) If the printing paper is contaminated by chemicals or oils, it may fade or reduce the sensible heat degree, and affect the printing effect. (4) Do not rub the surface of the printing paper with hard articles, otherwise it may cause fading. (5) The print paper will fade if the temperature is up to 70°C,keep it out of direct sunlight, humidity and high temperature.

4.3 Printer Interfaces

Diagram	Type	Illustration
	USB	Universal USB Interface (Standard Type B)
	Serial interface	Db9 female connector interface, communication baud rate is 9600bps, 38400bps, 19200bps or 115200bps optional (adjusting via DIP switch), data structure is parity-free, 8-bit data bit, 1-bit stop bit; RTS/CTS and XON/XOFF handshake protocols are supported
	Parallel interface (25PIN)	25PIN Parallel (male connector) bidirectional parallel interface, 8-bit parallel interface, support BUSY/nAck handshake protocol 8
	Network interface	Standard RJ45-8P interface, 10M/100M transmission speed with self-adaptation, 100M network LED indication, data communication LED indication.
	Cashbox control	The 6-wire RJ-11 socket, outputing DC 24V/1A power signal to drive the cashbox.
	Power interface	Power plug DC 24V.

☹ **Note:** The interface is optional or customized, and the specific interface is subject to the actual object.