DATECS

EP-700 **User Manual**

Version	Data	Range	Change description	Author
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Regulatory

FCC Statement
FCC ID: YRW-EP700
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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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

RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

1. Introduction

EP-700 is the highest-class ESC/POS printer. It is designed to support large retail points of sales and services offering RS 232, USB, Bluetooth, Wi-Fi and Ethernet connectivity.

2. Technical and functional specifications

Parameter	Comments
Printing Mechanism	Direct line thermal printer
Printing Width	80 mm (640 dots)
Printing Resolution	203 x 203 dpi (8 x 8 dpmm)
Printing Speed	Max 200 mm per second
Printable Font Sizes	Font A – 12 x 24 dots Font B – 9 x 24 dots Font C – 8 x 16 dots
Printable Barcode Types	1D: EAN-13, EAN-8, Code 39, Code 128, Interleaved 2 of 5, Codabar
Paper Type	Thermal paper rolls
Paper Width	82 and 58 mm
Paper Thickness	60 to 150 µm
Roll Max Diameter	102 mm
Paper loading	Easy paper loading
Post Printing Features	Auto cutter
Operator Display	Graphic LCD, 4 lines x 22 characters (128x32) LED Back Light
Emulations	ESC/POS
Connectivity	RS 232C USB 2.0 compatible Bluetooth Classic 3.0 (Optional) Bluetooth Low energy and Classic 4.2 (Optional) Wi-Fi 802.11 b/g/n (Optional) LAN – 10/100 Mbps (100BASE-TX) Cash Drawer through RJ11 connector External Display through RJ11 connector SAM Slot
LED Indication	Paper end Cover open
Keyboard and Buttons	On/Off button Feed button 4 function buttons
Power supply	AC 100 to 240 V, 50 to 60 Hz, DC 24 V, 2.1 A
Reliability	150 km 1.5 million cuts (Auto cutter)
Certificates	CE, FCC
Dimensions (W x D x H)	150 x 185 x 130 mm
Weight	1 700 g
Operational temperature range	-10 to 40 °C, 35 to 85 % RH
Storage temperature range	-20 to 60 °C, 10 to 90 % RH

3. Device operation
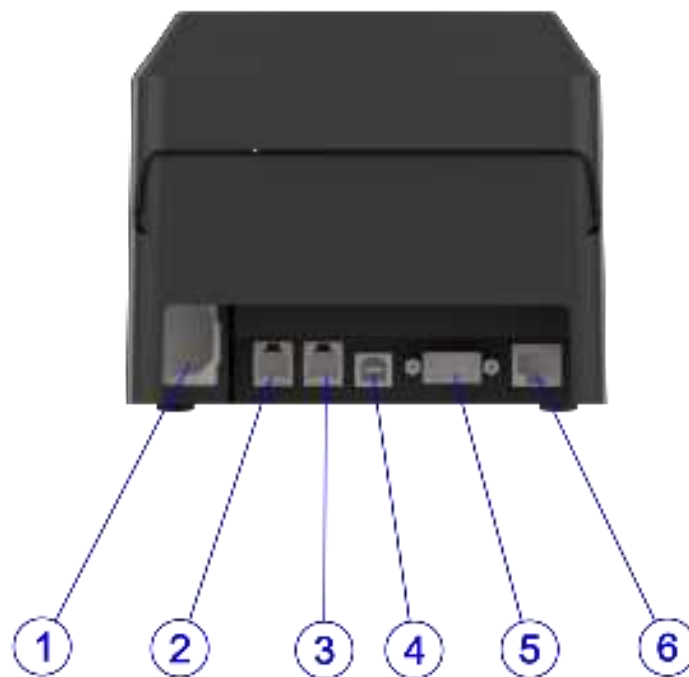
1. 220V Power supply
2. Drawer
3. Display
4. USB Type B Port
5. RS232 Port
6. Ethernet
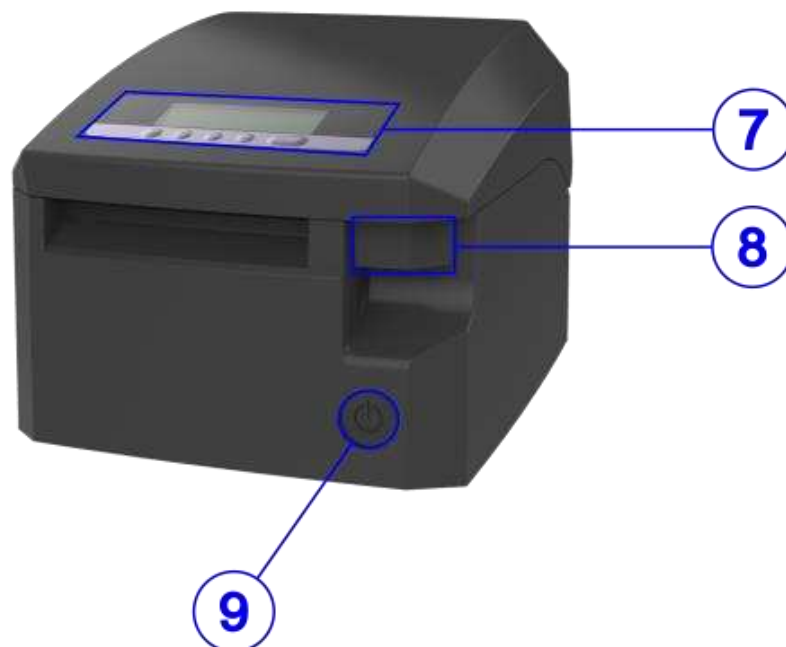
7. Display and control panel
8. Open top cover button
9. Power On/Off button

4. Control panel and buttons

4.1. Buttons functions

Button	Function
⏻	- Power ON/OFF the printer
FEED ENTER	- If there is no selected menu and the printer is in working state – feeds paper - If a menu is selected, enter the selected option
BACK	- If no menu is selected and the printer is in working state, hold for 2-3 sec - prints the Ethernet and Wi-Fi info - If a menu is selected - exit from the selected option
FWD	- If no menu is selected and the printer is in working state – hold for 2-3 sec to enter the main menu - if main menu is open – goes to next line
▼	- If no menu is selected and printer is in working state – hold for showing the Wi-Fi info - If a menu is selected, it goes to the next line - If a parameter from the menu is selected, the value is decreased
▲	- If no menu is selected and printer is in working state – hold for showing the Ethernet info - If a menu is selected, it goes to the previous line(option) - If a parameter from the menu is selected, the value is increased

5. Main menu

To enter the main menu, hold [FWD] button for 2-3 seconds. To move through the menu use [▼] and [▲] buttons. To enter a menu press [FEED ENTER] button. To exit a menu press [BACK] button.

5.1. Common settings

5.1.1 Printer name
5.1.2 LCD off time

5.2 Print settings

5.2.1 Darkness
5.2.2 Print speed
5.2.3 Print width
5.2.4 Code page

5.3 Communications

5.3.1 Flow control
5.3.2 RS-232
5.3.3 Wireless
5.3.4 Bluetooth information
5.3.5 Bluetooth pair

5.4 Ethernet

5.4.1 IP address
5.4.2 Port
5.4.3 Subnet mask
5.4.4 Gateway
5.4.5 DNS
5.4.6 DHCP
5.4.7 DHCP target name

5.5 Print server

5.5.1 Server mode
5.5.2 Job timeout

5.6 Switches

SW1 – Enable sound
SW2 – Execute CR as LF
SW3 – Disable LF
SW4 – Disable LF after CR
SW5 – Default small font
SW6 – Narrow paper
SW7 – Black mark mode

SW8 – Xon / Xoff
SW9 – Delayed print
SW10 – Not used
SW11 – Protocol mode
SW12 – Disable cutter
SW13 – Ext. display selected

5.7 Diagnostic

5.7.1 Short
5.7.2 Full
5.7.3 Test mode

5.8 Set clock

5.9 Factory reset

5.10 Save settings

6. Power ON/OFF the printer

The ESC/POS printer can be powered ON by pressing the ⏻ button.

The ESC/POS printer can be powered OFF by pressing and holding the ⏻ button.

7. Changing the paper roll

The ESC/POS printer has easy paper loading function.
If you want to change the paper roll:

- Open the cover
- Put the paper roll
- Move 3 to 5 cm from the paper
- Close the cover
- Press FEED ENTER button if you want to move the paper.

8. Bluetooth and Wi-Fi

ESC/POS Printer EP-700 provides Bluetooth and Wi-Fi communication.

> ⚠ **On the connected device (COTS or PC) a special application must be installed for working with ESC/POS EP-700 Printer. For more information, please contact your distributor.**

9. Work with system

The ESC/POS printer must be connected to a PC, tablet, telephone or some other device via USB, RS232 or LAN. The ESC/POS printer executes commands that are sent by user's application.

10. Safety

⚠️	Please contact with your local Datecs representative or service provider to receive a spare original battery. Don't leave ESC/POS Printer for long time without main battery, otherwise cryptographic keys can be deleted.

• To prevent damage to your device's parts or internal circuits, do not use it in dusty, smoky, damp, or dirty environments or near magnetic fields.

• Using an unapproved or incompatible power adapter, charger, or battery may damage your device, shorten its lifespan, or cause a fire, explosion, or other hazards.

• Keep the device and battery away from excessive heat and direct sunlight. Do not place them on or in heating devices, such as microwave ovens, stoves, or radiators.

• Dispose the battery, and accessories according to local regulations. They should not be disposed of in normal household waste. Improper battery use may lead to fire, explosion, or other hazards.

• Do not use, store or transport the device where flammables or explosives are stored (in a gas station, oil depot, or chemical plant, for example). Using your device in these environments increases the risk of explosions or fire.

10.1. Service and Support

For ESC/POS printer problems, product service, and repair information, contact your local Datecs representative or service provider.

• International – Contact your local Datecs distributor

10.2. Service Returns

All customers, please contact your local Datecs Ltd representative or distributor for assistance with your service, return, or replacement.

10.3. Maintenance and Cleaning

ESC/POS Pritner units have no user-serviceable parts.

To clean the unit, use a clean cloth slightly dampened with water and a drop or two of mild soap. For stubborn stains, use alcohol or an alcohol-based cleaner.

Do not attempt to clean the card readers. Doing so can void any warranty. For card reader service, contact your Datecs distributor or service provider.

| ⚠ | Never use thinner, trichloroethylene, or ketone-based solvents – they can deteriorate plastic or rubber parts. Do not spray cleaners or other solutions directly onto the display. |