



INDUSTRIAL
SELF-SERVICE TERMINAL

SELF-SERVICE WEIGHING TERMINAL

BP PAYTERMINAL

Simplifies weighing, secures payment



*Autonomous weighing
Secure credit card and contactless payment
Remote management and real time data control
Calculation of fares, tickets and automatic notifications*

Model
BP PayTerminal

WEIGHT SYSTEM



grupoepelsa.com



SELF-SERVICE WEIGHING TERMINAL

BP PAYTERMINAL

BP PayTerminal

The BP PayTerminal is a self-service terminal designed to simplify the process of weighing and payment by weight. This equipment allows users to weigh their products and make payment by credit card in an autonomous and guided manner, without the need for assistance.

Thanks to BP PayTerminal our customers can offer efficient and secure self-service weighing, reducing operational costs and minimising fraud risks by eliminating the need for operators and accepting credit card and contactless payments.



Equipment developed for unattended weighing

The vast majority of unattended or self-service weighing equipment currently on the market is a cash-per-weighing system. The coin cash remains in the equipment until the official or person in charge collects the money.

In view of the constant increase in the number of complaints of theft of this equipment, in addition to the cost of the damage caused to doors, locks, materials, etc., EPELSA, a company specialising in weighing and labelling, has developed electronic equipment for payment by credit card, applying the latest technologies. This avoids the use of cash in the weighing equipment, dissuading possible criminals from carrying out the theft as there is no cash, and also avoids the cost of the damage caused.



Card reader detail

Main features

Automatic Fare Calculation.

Automatically calculates the amount based on the programmed rates.

Issue of Tickets

Generates a ticket with the data of the weighing carried out: weight, amount, etc.

History Consultation

Allows you to consult the weighing history and export totals in .csv format or print them.

Automatic Notifications

Sends e-mails to the person in charge in case of lack of paper or technical incidences.

Zero Weighing and Reprinting

Allows you to zero the scale and reprint tickets in case of loss or damage (remotely or locally under password).

Benefits and applications

- ▶ Operational Efficiency: Reduced operating costs by eliminating cash handling.
- ▶ Improved Security: Deter theft by not storing cash.
- ▶ Ease of Use: User and maintenance friendly interface.
- ▶ Remote Accessibility: Management and monitoring from anywhere with an Internet connection.

Other possible applications

The BP PayTerminal is also suitable for other environments and needs. For example, it can be installed on smaller scales, such as those used for weighing luggage at airports. This configuration allows users to check the weight of their bags and pay by card quickly and autonomously.

The BP PayTerminal can operate in Customer Mode, enabling payment in advance. Customers can log in with a username and password instead of using a card, using a pre-loaded balance. This feature is ideal for environments where advanced user management is required.

With this versatility, the BP PayTerminal opens the door to new automation opportunities in different sectors, offering a comprehensive and efficient solution.

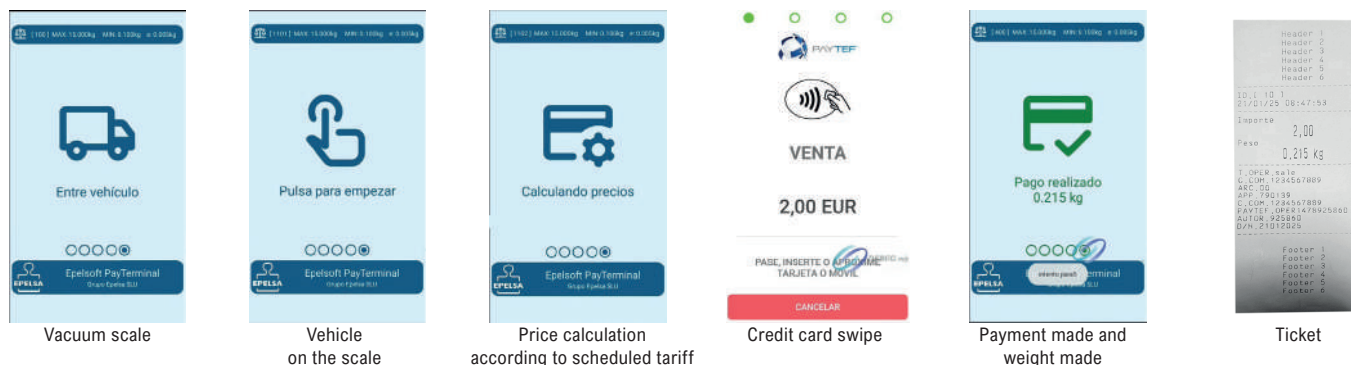
Achieving Excellence in Self-Service Terminals



Operation

The BP PayTerminal is the ideal device to automate weighing and charging efficiently. This self-service terminal allows users to weigh their vehicle or goods on the scale and pay quickly and securely by card, eliminating the need to handle cash.

Through its colour touch screen, the device intuitively guides the user through each step necessary to complete the process.



Internet connection

The operation of the equipment requires an Internet connection, which can be established in the following ways:

4G data card: Includes the 4G connection option as standard, which can be enabled by contracting a suitable data card.

Wired network: Possibility of connecting the device directly to the end customer's wired Internet network. The customer installs his router and connects it with Ethernet cable to the payment device.

For remote management of the device, the embedded web server allows access via a browser. However, on 4G mobile connections, a router with fixed IP and port forwarding is required, or a VPN such as ZeroTier, which allows secure external access without the need for a fixed IP for the data card.

Transparent Transaction Management

The payment platform integrated into the equipment will send detailed transaction reports directly to the end customer. This ensures efficient and transparent control of the flow of transactions associated with the equipment.

Transparency in operations



Techniques Features

Embedded web server: Integrates an HTTP server running directly on the device, eliminating the need for additional client software.

Remote browser access: Users can connect to the device via their IP address or domain in a standard browser, with an intuitive interface and real-time data.

Data visualisation: Device information is dynamically presented using web technologies such as HTML, CSS and JavaScript.

Networking: Compatible with LAN networks and accessible from external networks with configurations such as NAT or cloud services.

Built-in security: Protect data with user authentication and security tokens.

Optimised design: Your web server is designed to operate on compact, low-power hardware such as microcontrollers or embedded systems.

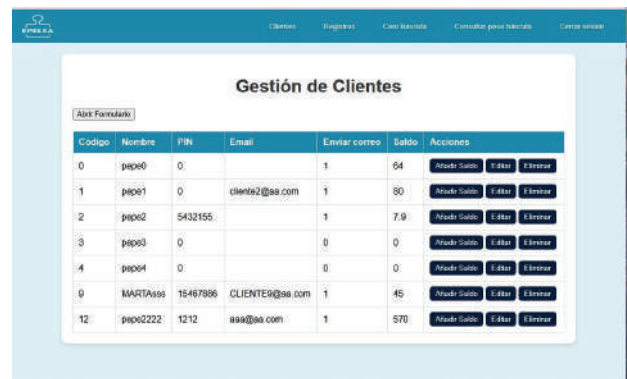
Client management: Allows you to register customers with PIN remotely, manage balances and perform weighing automatically if the balance is sufficient. Top-ups and account modifications can be done from the browser. It is also possible to send e-mails to the customer by activating the corresponding option.

Additional functionalities:

- Zero the scale remotely (or locally under password).
- Consult and obtain the weight in real time.
- Review, print or export in .csv the weighs carried out between dates.

Event log: The system logs events and incidents automatically, allowing them to be consulted on the device or from a web browser.

Web Server screen



Código	Nombre	PIN	Email	Enviar correo	Saldo	Acciones
0	pepe0	0		1	64	Añadir Saldo Editar Eliminar
1	pepe1	0	cliente2@aa.com	1	80	Añadir Saldo Editar Eliminar
2	pepe2	5432155		1	7.9	Añadir Saldo Editar Eliminar
3	pepe3	0		0	0	Añadir Saldo Editar Eliminar
4	pepe4	0		0	0	Añadir Saldo Editar Eliminar
9	MARTAS99	15497986	CLIENTE9@aa.com	1	45	Añadir Saldo Editar Eliminar
12	pepe2222	1212	aaa@aa.com	1	570	Añadir Saldo Editar Eliminar

Customer Management



Customer Management

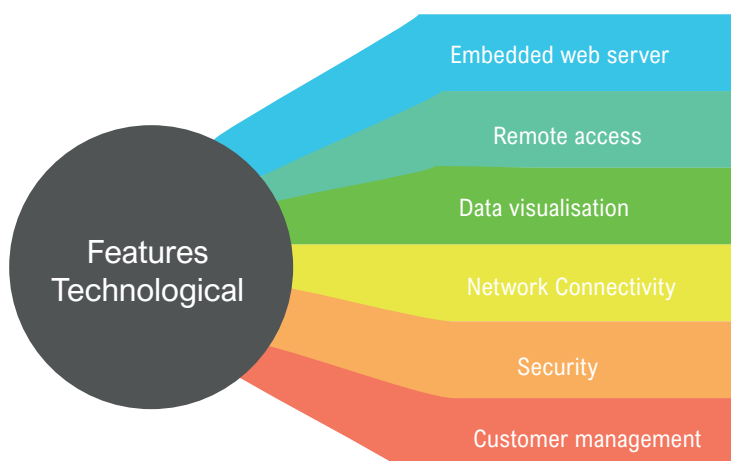


Transacción	Fecha	Hora	Peso	Precio	Operador	Código Cliente	Nombre Cliente
0	241200	100100	10000	3	2200	0	CLIENTE0
1	241201	100101	10001	3	2201	1	CLIENTE1
2	241202	100102	10002	3	2202	2	CLIENTE2
3	241203	100103	10003	3	2203	3	CLIENTE3
4	241204	100104	10004	3	2204	4	CLIENTE4
5	241205	100105	10005	3	2205	5	CLIENTE5

Registration Management



Login screen



Technical Data

Hardware components

This system combines specialised hardware with optimised software that allows the device to be easily and efficiently interacted with from a local network or via the Internet.

The BP PayTerminal hardware includes:

Metal box

- ▶ Housing of the payment device and the Custom panel printer.

Payment device

- ▶ Operating system: Android 10.
- ▶ Processor: Quad-core ARM Cortex-A53.
- ▶ Memory: 8GB flash storage, 1GB RAM (expandable to 2GB).
- ▶ Card Readers: Chip, PIN, contact and magnetic stripe compatible.
- ▶ Display: 5-inch touchscreen.
- ▶ Connectivity: Ethernet, Wi-Fi, Bluetooth and 4G.
- ▶ Camera: 2MP for QR code scanning.
- ▶ Security: Complies with international security standards.

Impresora Custom Panelada

- ▶ High durability and performance.

Digital Weight Processor

Monthly maintenance

To ensure optimal operation, it is necessary to contract an annual maintenance plan that includes:

Cost of the payment platform (PAYTEF): Mandatory to enable the functionality of bank card payments.

*Online remote maintenance: Managed by Epelsa technicians, it includes:

- ▶ Resolution of technical incidents remotely, avoiding travel.
- ▶ Software and firmware updates of the device without the need for physical intervention.
- ▶ Specialised support for the distributor.

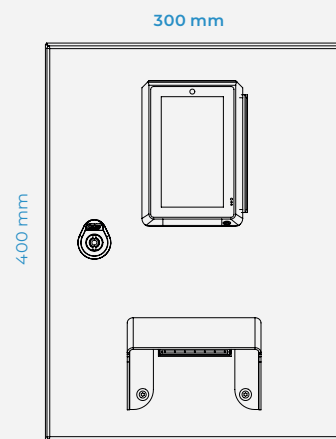
Epelsa also offers the option of additional services:

- ▶ Cleaning and maintenance of the printer and equipment.
- ▶ Regular maintenance and adjustment of the scale.
- ▶ Other options as required.

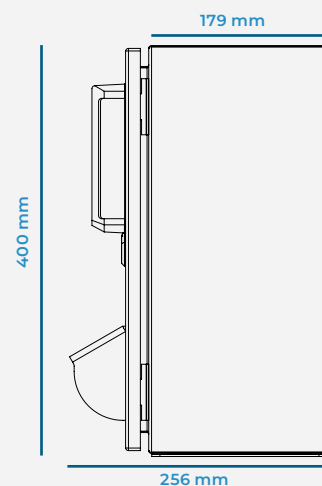
*If a distributor chooses the maintenance contract with Epelsa, Epelsa will take care of the complete management with PAYTEF, and the cost of the payment platform will be covered within the maintenance. This means that the distributor will not have to worry about the management or maintenance of the platform.

If a distributor decides not to contract the maintenance with Epelsa, it must directly manage the contract with PAYTEF and assume responsibility for the maintenance of the equipment.

Plans



Front view



Profile view



Perspectiva abierto

Reference

Description	Reference
BP PayTerminal (credit card)	0011132000
Display Vipout	000013989083