



ID42

POS Terminal
Innovation - Mobility- Reliability

 **Intelligent Data**

Why Intelligent Data?



The close relationship with our clients and the success of their projects have made Intelligent Data **a consolidated benchmark in electronic engineering (R + D + i)**, specializing in the **design and industrialization of technological products** and communication technologies.

Our 25 years of experience in the sector allow us to develop and produce products with **an innovative, robust, portable design** that meets the latest market demands. All this, combined with **a personalized after-sales** service for each client, based on **offering long-term support** through the continuous development of new updates at the hardware and software level.

All this allows us to offer a differential value with respect to national and international competition, covering the entire value chain that our clients require, faithfully adapting to their needs. Our ultimate goal is to benefit our customers through the versatility and quality of our products to ensure greater long-term profitability that other competitors cannot offer.

Our constant search for innovation (14 patents —Spanish, European and USA— Utility models, Industrial designs and Trademarks) has allowed us to be one of the few companies awarded the Innovative SME Seal.



Presentation

Technology and robustness

ID42 is the result of more than 15 years of experience in the field of POS (Point of Sale) devices.

This is a product with the latest technological advances integrated into a robust and ergonomic design.

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Experts in technological dreams



Intelligent Data's commitment to offer the best service to its customers has led us to the development of ID42, the latest model in our family of Point of Sale Terminals (POS). This new step represents **the culmination of 15 years of experience within the payment terminal sector**.

This milestone came about through collaboration with our customers. This is our "Identity Sign", **maintaining close collaboration with our customers and developing products above their expectations** with innovation as the main basis.

In this way, Intelligent Data is proud to present the new version of one of its most acclaimed products, the SmartLottery Advanced. A **robust device** that combines the latest advances in technology such as **NFC systems, euro banknote validator, Contactless or adaptive keyboards**, together with an accessible and ergonomic design.

This device is especially indicated for use both in physical stores and by sales agents, in sectors as diverse as tourism, home sales or events. This is possible thanks to its capability to manage all kinds of operations in a single device: from card payments anywhere through its 4G and Wifi connections, as well as its printer with high-quality 80mm paper. All this, in addition, with the Intelligent Data service, which ensures personalized treatment at the software and hardware level.



Specifications

Last Generation

ID42 incorporates the latest technological innovations with the objective of becoming the benchmark in the sector.

It has Contactless technology for payments through POS, 4G technology, Wi-Fi and GPS, among others.

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ID42



One of the main leitmotifs of Intelligent Data is **innovation** through the maximum use of technology, to develop the best products, with the aim of exceeding the expectations of our customers.

Among the main technical characteristics of this product we find: ANDROID operating system with a **5.5 "high definition color touch screen**, a powerful 64-bit Octacore Qualcomm ultra-fast processor, hard disk with flash memory, availability for external SD memory large capacity, interchangeable alphanumeric keyboard, navigation keys, compact CMOS barcode reader, speech synthesis (TTS) and voice recognition (ASR), payment methods (EMV, PCI), Contactless and NFC, 4G-LTE , WiFi and Bluetooth.

On the other hand, its size allows to incorporate a thermal printer (80mm), a stereo audio codec, headphones and microphone, autonomous battery, IP54 protection, GPS-GNSS, two speakers and an accelerometer, among other functionalities. We also highlight the incorporation of a **Software Development Kit (SDK)** that allows third parties to develop application solutions.



Design

Adaptive

ID42 has a careful design to offer the best ergonomics, without losing robustness.

It has two types of keyboard / screen configurations to suit the user's needs. In addition to having various indications in braille, both on the keyboard and on the case.

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When designing our products, we always take into account its target audience and the **needs of our customers**. The terminal design is finely tuned to integrate its peripherals, thus achieving a compact device and without the need to connect external elements using cables. In this way, meeting and exceeding the key points of any product designed for sale, both in stores and outdoors: **robustness, ergonomics and ease of use**.

Among its main characteristics we highlight:

- **The printer opening operation** can be done with **one hand**.
- There are **two types of keyboard / display settings**:
 1. Configuration of **5.5" full screen in high resolution** and full color.
 2. Configuration with **extended mechanical keyboard**.
- The device **automatically adapts to the configuration of the screen** to set the appropriate dimensions of the screen and the installed keyboard.
- It includes **two powerful internal speakers** to improve the power and definition of the audio announcements.
- The device is designed to be able to be used perfectly on the move with one hand, thanks to the support of the strap holder, allowing its usability with the other hand.
- **IP54 mechanical protection degree**: protection against dust deposits and pressurized water in any direction, thus ensuring its operation even in rainy situations from any direction.



Unique Printer

The ID42 thermal printer is easy to load thanks to its high quality and durable print head.

It is the only device in the sector with this width of paper (80 mm) and offers high quality finishes.

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ID42 incorporates a **thermal printer**, easy to load with a top brand head in quality and durability. It also includes sensors for end of roll detection. The paper width (80mm) and the resolution is suitable for certified thermal paper rolls. It should be noted that our design facilitates the opening of the printer with one hand, simply and intuitively.

On the other hand, ID42 includes a **charging accessory** consisting of an **external power supply with a robust Jack-type connector**. Alternatively, this version also incorporates a **standard USB-C connector** that allows the connection of chargers compatible with this connection standard, allowing the user maximum flexibility in situations where the supplied Jack-type charger is not available. The device is prepared to detect the battery charging speed and adapt to the type of power supply connected.

Finally, we highlight the **large capacity of the battery**, which allows sales agents to use the ID42, in normal working conditions, for **12 hours** in an interrupted manner.

Dimensions	ID42
Lenght	21,8 cm
Width	10,7 cm (max.) - 8,5 cm (min.)
Height	7 cm (max.) - 3,7 cm (min.)
Battery	33.3 W / h [4.5 Amp-Hour (7.4 V)]

Accessibility and Keyboard



ID42 incorporates the necessary elements to **facilitate its transportation**, as well as its handling. Regarding this, the terminal incorporates:

- An **elastic strap** with rear fixings to facilitate holding the device with one hand, tilting the device at the user's will without slipping from the hand holding it.
- **Two hooks**, allowing an accessory or "shoulder strap" to be used to hang equipment at both ends of the terminal.

The ID42 device allows the incorporation of accessories that facilitate the correct placement of pre-printed tickets and tickets issued for reading. In this sense, it offers a removable lectern similar to the one currently used by various lottery organizations.

The devices described do not interfere with other work operations and their **design is suitable for the sales agent work environments** (streets, kiosks and closed environments).

For the keyboard design, the recommendations stipulated by international standards have been followed, respecting the homogeneity in the distribution of the keys and the efficiency in the braille symbology.

The SmartLottery Advanced terminal has two very useful shortcut buttons for specific use:

- **Help / SOS button**, located in the back of the terminal, disguised, for emergencies or requests for help to the call center.
- **Side Scanner button**, to quickly launch the reading of barcodes or other repetitive operations.





ID42 also has an expanded mechanical keyboard that allows:

- Entering numbers (mobile phone format).
- Menu navigation (joystick and / or navigation keys).
- Keys with function of "Accept", "Return", "Cancel", "Validity-Enter", "Delete" and "Print".
- The extended mechanical keyboard incorporates braille markings on the main keys to facilitate orientation and recognition of the keyboard by its shape, size and color.
- Both keyboards, "Minimum" and "Expanded", can be exchanged in the SmartLottery Advanced without the need to open the terminal internally. Although this operation should be reserved for designated technical personnel, it can be done with a common tool, such as a screwdriver, by coupling either keyboard.

Specifications (Details)

Specifications	ID42
Operating System	ANDROID
CPU	Octacore Qualcomm ultra-fast de 64-bit
RAM	2GB LPDDR3
Flash Memory	16GB eMMC, completely supported by a microSD memory socket for superior storage capacities.
User Interface	<ul style="list-style-type: none"> • 5.5 "colour touch screen IPS HD Full Colour (720x1280px) • Two types of keyboard • Navigation Keys • Backlight with adjustable contrast
Bar code reader	<ul style="list-style-type: none"> • Image Sensor: 1280 X 800 • Rotational sensitivity: Omnidirectional. • Ambient light conditions: 0 lux to 100,000 lux (total darkness to bright sunlight) • Illumination: White LED (exempt risk group) • Different Bar Codes: Bi-dimensional, linear, 1D, Postal. 2D: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code.
Payment System	<ul style="list-style-type: none"> • Compatible with the standards of electronic payment methods <ul style="list-style-type: none"> • EMV Contactless. • MasterCard PayPass. • Visa PayWave. • American Express ExpressPay. • Apple Pay, Google Pay, Samsung Pay.



Connections	<ul style="list-style-type: none"> • Wifi 802.11 b/g/n/a - 2.4Ghz y 5Ghz • GSM/GPRS/EDGE/3G/H+/4G y Quad band • 4G LTE - Maximum Speeds: 300M DL / 50M UL • Bluetooth 4.0 • Complete GPS decoder: GNSS-GPS, BeiDou, GLONASS & the European Galileo GPS System • Double Sim Card • External Antenna • USB 3.0
Contactless - NFC	<ul style="list-style-type: none"> • Reader/Writer mode supporting ISO/IEC 14443-A up to 848 kBit/s, MIFARE • Reader/Writer mode supporting ISO/IEC 14443-B up to 848 kBit/s • Supports reading of all NFC tag types (type 1, type 2, type 3, type 4A and type 4B) • Reader/Writer mode supporting ISO/IEC 15693 • Reader/Writer mode supporting ISO/IEC 18000-3 Mode 3 • ISO/IEC 18092 (NFC-IP1) • ISO/IEC 21481 (NFC-IP-2)
Security	<ul style="list-style-type: none"> • IP54 • WLA Security and Risk Management SRMC • 1,5 meter fall protection
Printer	<ul style="list-style-type: none"> • Speed: 80mm/s • Resolution: 576 points.
Terminal Management System (TMS)	Secure OTA remote update system
Multimedia	<ul style="list-style-type: none"> • Microphone and 3.5mm headphone jack connector. • Double internal speaker.
Battery	33.3 W / h [4.5 Amp-Hour (7.4 V)]



About Intelligent Data S.L.

Intelligent Data S.L. It was founded in 1993 by a group of passionate telecommunications engineers from the University of Alcalá de Henares. More than **25 years** later, we are a **consolidated company in electronic engineering (R + D + i)**, specialized in industrial design and industrialization of technological products and professional communication technologies. Our services cover the entire production chain, we also ensure the best after-sales service and support for our clients.

Experience, innovation and quality are the standards of our work, foundations that guide our developments year after year. We work with production volumes of between 10,000 and 500,000 units, for which we have our **own industrialization and production department** with extensive experience in the sector.

Our constant experience and innovation have given us important recognitions at the international level, such as the **Red Dot Award 2015**, and at the national level with a **prize for Technological Innovation awarded** by the Community of Madrid.

On the other hand, we have the **Innovative SME Seal** granted by the Ministry of Economy and Competitiveness (MINECO) in recognition of our work in the field of innovation. We also have a **UNE-EN ISO 9001:2015** certificate in the development of all our activities previously discussed in the first paragraph.

Finally, it should be noted that all of **our production is national**, thanks to our close collaboration with **Denso Ten Spain in Málaga**.

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