



ID 41
SMART-POS
Concept prototype

Android terminal with payment methods
Reliable - Robust - Adapted

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

Payment methods in one hand

ID41 Smart-POS is a portable and resistant device with a differential design compared to the rest of its competitors.

We are facing a mobile payment media terminal focused on the logistics and retail sector, among others.

Intelligent Data
Experts in technological dreams

ID41 Smart-POS












*Product certifications pending completion

ID41 Smart-POS is a portable and resistant device with a differential design compared to the rest of its competitors. We are facing a **mobile payment media terminal focused on the logistics and retail sectors**, among others. Thanks to the ergonomic and robust design of the ID41, operators can carry out all kinds of operations simply and efficiently using a device fully adapted to the needs of our customers.

We are facing a terminal with a high number of differential elements that makes it **the best value on the Android market for points of sale (POS)**.

ID41 is an independent device that **combines the Kinetis NXP K81 with more than 20 years of knowledge and specialization** in card payment devices with the aim of avoiding any risk at the technological level or the absence of certification.

Intelligent Data offers extensive experience in the development of devices and applications for the control and management of magnetic stripe and chip cards (card recharge and sale machines, multireaders, OEM devices for ATM, POS, etc.).

In addition, the electronic payment devices designed by Intelligent Data comply with the highest levels of security, thanks to quality certificates such as the certificate, PCI, EVM and the MasterCard Terminal Quality Management (TQM) - the certifications of this product are pending.



Design & Security

Design with 45 degree

At the design level, we are dealing with a product thought to the millimeter and adjusted to the needs of its users.

It has a 45° inclination in its upper part to allow the use of your barcode reader comfortably and without forcing the operator's wrist.

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ID41 Smart-POS



At the design level, we are dealing with a product thought to the millimeter and adjusted to the needs of its users. Firstly, it has a **45° inclination in its upper part** to allow the use of the barcode reader in a comfortable way and without forcing the operator's wrist, avoiding possible injuries or discomfort due to its continued use in the long run. On the other hand, it has two reader triggers (buttons) on both sides to be used by both right-handed and left-handed users.

Furthermore, its chip card reader is fully protected by a plastic cap with the aim of guaranteeing the **IP54 degree of mechanical protection**, which secures a mechanical design of high resistance and robustness. This, together with our differentiating after-sales service, offers a commitment of more than 5 years of longevity in our products through software and unit updates.

Its most outstanding technical characteristics offer a preview of the incredible potential hidden within this SMART-POS:

- Android 9
- 5.5 "touch screen
- MK81 safety controller with EMV L1 & L2,
- MicroSIM, Micro SD slots
- Payment systems (EMV, PCI),
- Contactless, NFC, 2G / 3G / 4G communications.
- USB-C, Bluetooth and Wifi connectivity.
- Code bar scanner.

The terminal is totally modular and flexible, which allows its **production in different models fully adapted to customer needs**. The different customization options offer different added functionalities such as: printer, ticket reader and video cameras, among others. Along with this customization, different configurations are also offered focused on a high level of specifications or more basic to adjust the final price of the product.

ID 41 is a **last generation device with the highest security measures on the market** and compatible with the main references of remote management systems for mobile terminals. Through the **Android system type MDM (Mobile Device Management)** our clients can perform the following monitoring of the devices:

- Device registration.
- Remote update of Over-the-Air (OTA) devices.
- Management of user profiles of the platform and mobile terminals.
- Management and distribution of developed applications.
- Monitoring the status of applications installed on the device.
- Security management.
- Remotely lock devices.
- Audit and reports
- Generation of personalized reports according to filter and search criteria.

On the other hand, it meets all the requirements of the Google program known as **Android Enterprise Recommended**, which defines demanding requirements of excellence for business devices and services. This program also ensures:

- **Powerful integrated business security features.**
- **A complete and innovative management system.**
- **Security for all threats.**
- **With the latest updates.**
- **A robust security system built into the platform.**
- **Helps to comply with the General Data Protection Regulation (RGPD)**



Specifications (Details)

Specifications	ID 41
Operating System	Android 9 operating system latest version (Upgradeable)
CPU	<ul style="list-style-type: none"> • Qualcomm processor, 8 latest generation multicore CPUs. • Graphic Coprocessor: Qualcomm Adreno GPU or better.
RAM	RAM Memory 2GB LPDDR or superior.
Flash Memory	<ul style="list-style-type: none"> • Base: 16GB EMMC or higher • MicroSD card slot
User Interface	<ul style="list-style-type: none"> • Size, minimum 5.5 inches. • High contrast multi-angle IPS (In-Plane Switching) technology. • Minimum HD resolution. • Full Color. • Multipoint Capacitive Touchscreen.
Bar code reader	<ul style="list-style-type: none"> • Honeywell 3601 • 1D / 2D Bar Code Reader with image capture and OCR. • Protective lens. • External lighting + projectable reading centering sight. • Code 39, EAN-13, PDF417, QRcode, Data Matrix, etc ...
Payment System (NXP Kinetis K81)	<ul style="list-style-type: none"> ■ SO7816 SmartCard card reader. ■ Magnetic Stripe card reader ISO7811. ■ ContactlessNFC + EMV reader. ■ EMV Level 1 Certifications (Contacts + Contactless). ■ PCI 5.x certification ■ EMV L2 Certification Contacts. ■ Certifications ■ Visa-PayWave, MasterCard-PayPass, Amex-ExpressPay. ■ RedSYS-POS certification

<p style="text-align: center;">Connections</p>	<ul style="list-style-type: none"> ■ 4G LTE Categoría 6, UMTS/HSPA+, GSM/GPRS/EDGE. ■ Wifi (WLAN 802.11 b/g/n) ■ Bluetooth BT4.2 (BR/EDR+BLE) ■ GNSS (Galileo/GPS/BeiDou). ■ NFC + EMV Contactless (Dual Mode).
<p style="text-align: center;">Contactless y NFC (NXP PN5180)</p>	<ul style="list-style-type: none"> • ISO 14443-4 Mifare. • PayPass Mastercard. • VISA PayWave. • American Express ExpressPay.
<p style="text-align: center;">Security</p>	<ul style="list-style-type: none"> • IP54 • WLA Security and Risk Management SRMC • CE in electromagnetic compatibility.
<p style="text-align: center;">Expansion connectors</p>	<ul style="list-style-type: none"> ■ USB-3 C port ■ 3.5mm Audio Jack (Mic + Headphones)
<p style="text-align: center;">Dimensions and weight</p>	<ul style="list-style-type: none"> ■ Weight: less than 290g. ■ Maximum dimensions: 165x85x16mm.
<p style="text-align: center;">Multimedia</p>	<ul style="list-style-type: none"> ■ Vocal bandwidth microphone. ■ Integrated Hi-Fi speaker (24-bit / 192kHz), power (2.5W Stereo) min. ■ 2 Integrated video / photo cameras (front + side).
<p style="text-align: center;">Battery</p>	<ul style="list-style-type: none"> ■ Rechargeable Lithium Polymer Battery 5,400mAh up to 8,000mAh. ■ Operation Autonomy 12h + 1k Transactions. ■ Standby autonomy 72h. ■ Fast recharge mode selectable by software (2.5 hours). ■ Optional Qi wireless charging Alternative. ■ External AC / DC power supply.



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 **Fujitsu Ten Spain (FTESA) in Málaga**.

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