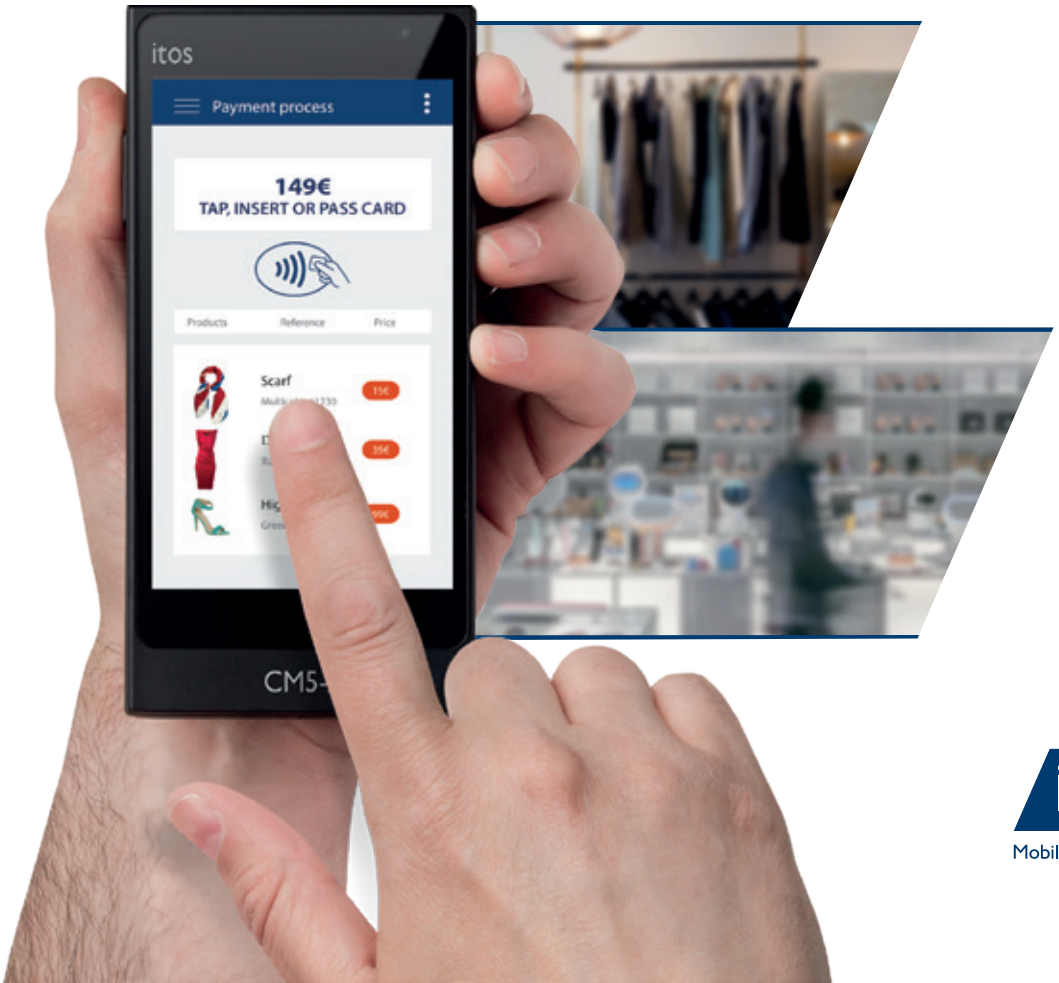
CM5-X

Smart POS

Discover the new ITOS CM5-X for Store Management.
An innovative mobile POS with built-in payments, UHF RFID and 1D/2D scanners that unifies inventory, express checkout, as well as sale and payment processes and offers a modern payment experience.



itos®
Mobility and Payments

Smart POS CM5-X

Innovative, Secure and mobile

ITOS presents its new Smart POS CM5-X, a multifunctional Android device that optimize store management unifying inventory, express checkout, as well as sale and payment processes.

ITOS anticipate new market demands with a retail technological solution designed to upgrade processes, save costs and improve the consumer´s shopping experience.

The innovative mobile device with built-in payments, barcode reader and UHF RFID guarantees the professional the development of faster and more efficient tasks, while placing sale and payment processes where the client is located. A mobile payment solution that will also help merchants increase theirs sale opportunities.

The CM5-X terminal upgrades store management bringing, both customer and professional, new benefits:

- The UHF labels and 1D / 2D barcode reading.
- A modern payments experience.
- A comfort anti-theft alarm disarming system.
- The comfort and environmental benefit from the use of the digital Ticket.
- Shopping without queues or waiting, allowing the customer to schedule their visits to the store any time.

The Android terminal is compatible with any app, working locally or in the cloud, which guarantees greater flexibility in business management.

This new device of modern and avant-garde design incorporates, among other technical features, 5-inch HD color screen; 3,000mAh battery with 3.8 V. lithium ion;memory up to 2GB RAM 16 GB ROM; dual camera, 5MP rear and 2MP front; 4G communications, in addition to Dual SIM, Dual SAM, BT and WiFi 2.4GHz, 802.11a / b / g / n.

The new POS complies with the international PCI PTS security standards for all types of card and mobile payments such as ApplePay, SamsungPay or AliPay, among others.

ITOS offers several versions of the terminal, depending on the mobility solutions that it integrates and its applications of use: with UHF reader; UHF and 2D barcode reader; 2D barcode reader and finally, with fingerprint reader.

Main Specifications:

Android open architecture
Operative system

5”
Capacitive LCD
(720 x 1280)

PCI PTS POI Version 5.X
EMV Level.1, EMV Level.1 Contactless
Visa payWave;
Mastercard PayPass

4G
WiFi
Bluetooth

3,000mAh
3.8V lithium ion

TECHNICAL SPECIFICATIONS

Technical Characteristics:

Operating System:	Android open architecture system
Microprocesador:	Quadcore + CPU especialized in financial transactions
Memory:	1GB RAM + 8GB Flash 2GB RAM + 16 GB Flash (optional) 512MB RAM + 4GB Flash (optional)
Magstripe reader:	Type: ISO 7811, Simultaneous bidirectional reading of tracks 1, 2 and 3
Smart card reader	ISO 7816-1/2/3
Contactless:	NFC 13.56MHz, ISO 14443-A/B MIFARE card reading Visa payWave; Mastercard PayPass

Physical characteristics:

Display:	5" LCD (1280 x 720) Capacitive touchscreen
Dimensions:	155mm × 72.5mm ×16.9mm
Weight:	240 g (battery included)
Camera:	Front: 2 megapixeles (optional) Back: 5 megapixels, autofocus, Flash LED
Rechargeable Battery:	3.000mAh; 3,8 V Li-ion
Card Slots:	SIM and Dual SAM Dual SIM and SAM (optional)

Ambient Conditions:

Operating:	0ºC to 50ºC
Storage:	-20ºC to 60ºC
Relative Humidity:	5% to 95%

Communications:

Frequency:	GSM/GPRS/EDGE: 850/900/1800/1900MHz WCMDA： B1/B2/B5/B8 HSUPA /HSPA+EVDO: EVDO Rev.A 800MHz, TD-SCDMA: B34/B39, TDD-LTE: B38/B39/B40/B41 FDD-LTE : B1/B2/B3/B5/B8
WiFi:	2.4GHz, 802.11a/b/g/n
Bluetooth:	4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GPS:	GPS / BEIDOU / GLONASS
Conector:	USB type C

Certifications:

Security:	PCI PTS Level 5.X EMV Level 1, Level 2; EMV Level 1 Contactless; Visa payWave, Mastercard PayPass

Accesories:

IRF-50
Long-range UHF RFID reader

Case for CM5-X

Case for CM5-X UHF

Grip case for CM5-X

Protective case
for CM5-X

Itos Technology S.L

Address: Avenida Quitapesares,39, 28670 Villaviciosa de Odón, Madrid
Phone: 916 40 00 91 Email: info@itos.es Web: http://www.itos.es

TECHNICAL SPECIFICATIONS

1D barcode reader:

Image Sensor:	lineal CCD
Processor:	ARM32-bit
Resolution:	1500
Decoding:	≥3mil / 0.076mm (PCS90%, code 39)
Symbologies:	UPC-A, UPC-E, EAN-8, EAN-13, ISSN, ISBN, Code 128, GS1-128, ISBT 128,Code 39, Code 93, Code 11, Intercalado 2 de 5, Matriz 2 of 5, Industrial 2 of 5, Estandar 2 of 5 (IATA), Codabar (NW-7), Plessey, MSI Plessey, RSS, China Post, etc.
Speed decoding:	Decoding Speed: Max. 300 times /s
Reading angle:	inclination: ± 50 °; Rotation roll: ± 30 °: Deviation: ± 50 °
Reading Field:	55 mm ~ 330 mm

2D barcode reader:

Light:	LED 630 nm; White LED
Speed:	Max 25 cm / s
Resolution:	640 x 480, 256 niveles de gris.
Reading Angle:	45 ° (Horizontal), 30 ° (Vertical)
Symbologies:	Australia Post, Aztec, BPO, Canada Post, Codabar, Codablock, Code 11, Code 39 / Code 93, UPC / EAN, Code 128 / EAN128, DataMatrix, Dutch Post, EAN.UCC Composite, interleaved 2 of 5, Japón Post, Matrix 2 de 5, MaxiCode, MicroPDF417, Code MSI, PDF417, Planet, Code Plessey, Postnet, Code QR, RSS, Estandar 2 of 5, Telepen, TLC 39.
Mx. Distance Reading:	40 cm.

Fingerprint reader:

Reading Ability:	scan up to 1000 fingerprint
Reading Depth:	1024 bytes
Reading Time:	<0.6 s
Comunication way:	USB2.0 o UART (logic 3.3V-TTL)

UHF RFID reader:

Protocol:	ISO 18000-6C / EPC C1G2
Reading distance:	3 meters
Data interface:	TTL-RS232

ITOS provides personalized mobility and payment solutions, as well as a national maintenance service adapted to the particular needs of each client.

Versions:

CM5-X/Fingerprint reader

CM5-X/ UHF reader

CM5-X /1D/2D

CM5-X/ UHF/1D-2D readers

Itos Technology S.L

Address: Avenida Quitapesares,39, 28670 Villaviciosa de Odón, Madrid

Phone: 916 40 00 91 Email: info@itos.es Web: http://www.itos.es

ITOS CM5-X. All rights reserved. This document is not binding and the specifications above can be modified without prior consent. ©2018