GENERAL INFORMATION

FCCID: **XKB-IMP4B2**

1.1.   Product description

ingenico
Mobile
solutions

iSMP2 Companion

A powerful next generation point of sale designed for fast, high-volume use and in-store mobility

• A secure, fast, and lightweight mobile point of sale (mPOS) solution, designed for high volume use in all retail environments.

• Leverage the latest version of our industry proven mPOS technology designed for a wide range of industries and use cases.

• Accept all payment methods including EMV chip & PIN, magstripe, and NFC/contactless.

• Connect the iSMP2 Companion to iOS, Android™ or Windows®-based tablets or smartphones via Bluetooth®.

Pairing successful
iSMP connected

security   smartcard   magstripe   contactless   barcode

compatible with
iOS   windows 8   android

LCIE
Laboratoire de Moirans
Z.I. Centr'Alp
170, Rue de Chatagnon
38430 MOIRANS-FRANCE

| Pairing a tablet or a smartphone with Ingenico Mobile Solutions' iSMP2 Companion via Bluetooth for a secure, smart mobile point of sale (mPOS).

Compatible with All Leading Mobile Operating Systems
The iSMP2 Companion connects via Bluetooth to any iOS, Android or Windows-based tablet or smartphone to create a smart mPOS with the most advanced payment capabilities. As a complement to the integrated versions of the iSMP for iPhone® & iPod touch® the payment companion version provides the functionality that ensures the iSMP2 Companion range addresses the diversity & growing number of mobile operating systems and form factors.

Universal Payment Platform
The iSMP2 Companion enables all forms of electronic payment, including EMV chip & PIN, magstripe and NFC/contactless. Based on Telium 2, Ingenico Group's highly secure payment platform, it is compatible with the existing worldwide portfolio of payment applications. The iSMP2 Companion meets all security & payment standards: EMV, PCI PTS 4.0, PayPass, Visa payWave, ExpressPay 2.x, Discover Zip.

Integrated 1D/2D Barcode Reader
The iSMP2 Companion high-end integrated 1D/2D barcode reader suits even the most fast-paced retail environments by enabling scanning of loyalty cards, coupons, barcodes and QR codes.

Long-Lasting Battery Life
Equipped with a lithium-ion (1200 mAh) battery, the iSMP2 Companion is designed to operate for a full workday, even in the most hectic retail environments.

Bluetooth Connectivity
Embedded Bluetooth technology provides effortless connectivity to external devices. The iSMP2 Companion uses a Bluetooth class II chip with 128-bit Bluetooth Encryption for secure connection to external peripherals including smartphones, tablets and printers. The Bluetooth pairing process is designed specifically to prevent connection of unauthorized devices.

Designed for Mobility and High-Volume Use
This lightweight 7.0 oz compact device protected by a robust casing makes the iSMP2 Companion ideal for indoor and outdoor mobile use. Designed for high-volume use, the iSMP2 Companion is perfect for use cases such as line busting, customer interaction, inventory management, delivery, and onboard sales. Multi docking station can charge and manage six iSMP2 Companions at one time.

Feature	Description
Main Processor	RISC 32-bits ARM9 processor - 380 MHz 450 MIPS
Crypto Processor	RISC 32-bits ARM7 processor - 57 MHz 50 MIPS
Memory	SDRAM: 32 Mb
	Flash: 128 Mb
OS	Telium 2
OS compatibility	iOS: 4.x and above
	Windows: Win7, Win8 (x86, x64)
	Android: 2.3.3 and above
Card readers	Smart card reader: Standard (ISO7816, EMV L1 certified)
	Magnetic card reader: Standard (ISO 7810, 7811 and 7813, Track 1/2/3)
	Contactless reader: Standard (ISO 1443 A&B), PayPass and PayWave certified
Display	Black and white, backlit, 128 x 64 full graphic
Keypad	16 keys and 4 functions keys - capacitive, 2 barcode buttons,1 power button
Buzzer	Yes
LEDs for contactless	Yes - green or multicolor for Visa payWave support
Connectivity	Wireless: Bluetooth class II with 128-bit encryption Wired: Micro-USB B slave Docking: USB link Hardware integration: USB Slave link
Barcode reader	1D/2D (Factory option), all majors standards supported
Battery	Li-ion: 1,150 mAh, up to 800 transaction, up to 66 hours
Dimensions (L x W x H)	5.83 x 2.83 x .83"
Weight	Without barcode reader: ~7.0 oz
Environment	Operating temperature: 32°F to 104°F
	Storage temperature: -4°F to 158°F
	Operating humidity: 85% RH at 104°F
Certifications	EMV L1 & L2, PCI PTS 4.0, Interac, APACS CC, CE, PayPass™ 3.0.1, payWave 2.1.1, Expresspay, Discover, , ABECS, APCA/CECS, FCC, IC, WEEE, Anatel Compliant, C-Tick, Japan PSE/JATE compliant, EP2, Chinese PCI compliant, Apple MFI, EMV L1, EMV L2, EMV L1 Contactless, PayPass® 2.1, Visa PayWave, ExpressPay 2.x, Discover Zip
Available accessories	Wall plug charger, car charger

www.ingenico.us

ingenico
Mobile
solutions

ISMP2-COMPANION - Overview

Overview :

The ISMP2 Companion is a small handheld secured payment terminal. It accepts all payment methods: EMV Chip & PIN, magstripe and contactless. This device is based on Telium2, Ingenico's highly secure payment platform and is compatible with its existing worldwide portfolio of payment applications. ISMP2 meets all payment and security standards: EMV level 1, EMV level 2, PCI PTS 4.0, PayPass™2.1, payWave 2.1.1. and many more…

The iSMP2 Companion connects via Bluetooth to any iOS, Android or Windows-based tablet or smartphone to create a smart mPOS with the most advanced payment capabilities. The iSMP2 Companion provides the functionality that ensures the iSMP2 Companion range addresses the diversity & growing number of mobile operating systems and form factors.

The iSMP2 Companion can be charged with an external power supply 5V-1A (provided with the terminal). In a future use the iSMP2 Companion will be able to be charge with docking station (5V – 1A)

Figure n°1: Top side of the product

Models presented:

	BCR	CLESS	Bluetooth	USB cable	PSU
IMP452-11T2854A (BCR Full Option Companion)	x	x	x	x	x
IMP422-11T2856A (No BCR Low Option Companion)		x	x	x	x

BCR : Barcode Reader embedded
CLESS : 13,56MHz RFID transceiver embedded

Accessories (included in the packaging):

µUSB câble	296160970AB	GOLDEN BRIDGE : GB-A8004
PSU µUSB	192038303	PHIHONG

Accessories (not included and reserved for future use)

Multi-Cradle	Reserved	It will be develop by Ingenico

FCC and Industry Canada ID

	FCC ID	IC Number
IMP452-11T2854A (BCR Full Option Companion) **IMP422-11T2856A** (No BCR Low Option Companion)	**XKB – IMP4B2**	**2586D – IMP4B2**

1.2.   Tested System Details

See test report

1.3.   Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003, FCC Part 15 Subpart C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4.   Test facility

Tests have been performed on February 12th to 20th, 2015.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-2003 in a letter dated March 25th, 2008 (registration number 94821).
This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.