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

GENERAL INFORMATION

FCCID: XKB-D5000M00

1.1. Product description

ingenico
Smart
terminals

Desk/5000

**Open your desktop
to a world
of Business Apps**

• Create new experiences
combining payment and Business
Apps in a rich user interface

• Accept the broadest range
of payment methods

• Meet the most demanding use
cases with a seamless connection
to external devices

smartcard   magstripe   security   contactless   connectivity   color display

TELIUM
TETRA

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Data sheet of equipment

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The Desk/5000 is the most innovative payment device, leveraging Business Apps and broad connections to external devices. The Desk/5000 meets the most demanding use cases, turning the point of sale into a point of service.

Highest Security
The Desk/5000 satisfies the latest security requirements. It is PCI-PTS 4.x certified and designed to comply with any local regulation. Its TELIUM Tetra OS uses the latest cryptographic schemes with future-proof key length.

All Payment options
The Desk/5000 enables NFC couponing and wallet use cases, in addition to EMV Chip & PIN, Swipe & Sign and contactless.

User-friendly and intuitive interface
Featuring powerful multimedia capabilities and a large 3.5-inch touch screen, the Desk/5000 provides best-in-class user experiences thanks to a rich interface with a wealth of business Apps.

Maximized network availability
In addition to Ethernet and modem, the Desk/5000 offers the widest set of radio connectivity with GPRS, 3G, Dual SIM, Bluetooth and WiFi. It optimizes network availability and communication costs.

Seamless NFC payment
The Desk/5000 boosts contactless payment by offering to customers a seamless experience through a dedicated card-reader zone and faster transaction flows.

Electronic signature for payment and business apps
The Desk/5000 offers signature capture capabilities for electronic payments, receipt storage and new business Apps such as contracts, warranty programs or enrollment.

An OS with secure payment and creative freedom
Backed by 30 years of experience, the TELIUM Tetra Operating System is the perfect combination of Ingenico Group's legacy in payment expertise and openness to the web. It embeds the best security mechanisms to protect transaction privacy, while enabling the deployment of appealing HTML5 web-based rich media business apps.

NAME			Desk/5000
Processor	Application & Crypto processor	Cortex A5	●
Memory	Internal	512 MB Flash, 512 MB RAM	●
	External	MicroSD up to 32GB	Option
OS		Telium Tetra OS	●
SIM		2 SIM	Option
SAM		2 SAM	●
		3rd SAM	Option
Card readers	Magstripe	ISO 1/2/3, 500K lifespan	●
	Smart card	EMV Level 1, 500K lifespan	●
	Contactless	EMV Level 1 compliant	Option
Display	Color	3.5" backlit, HVGA (480x320 pixels)	●
Touchscreen	Resistive	Finger & stylus (300K lifespan signature)	●
Keypad		16 hard top keys, raised Marking, backlit	●
Audio	Buzzer		
	Audio Jack	Stereo	Option
	Speaker	Mono	Option
Video	Video accelerator	H264 codec	●
Thermal Printer	Speed in l/s	20 l/s	●
	Paper roll cage	58 mm width x ø 40 mm	
Terminal connectivity	Wireless	3G	Option
		GSM/GPRS	Option
		Bluetooth Class 2	Option
		Wi-Fi	Option
	Wired	Dial-up MODEM	●
		Ethernet 10/100 base T	●
Terminal connections	USB	1 USB Host	●
		1 USB Slave	●
	Power Supply	Dedicated power Jack	●
	Serial	1 RS232	●
		2nd RS232	Option
Power supply		16W or 32W	●
Terminal size		187x82x68 mm (7.3x2.6x3.2x2.6")	●
Weight		340 g (12 oz)	●
Environment	Operating Temperature	0°C to +40°C (32°F to 104°F)	●
	Storage Temperature	-20°C to +55°C (-4°F to 131°F)	●
	Operating Humidity	85% non-condensing at +40°C (104°F)	●
Accessory	Magic Box	1xRS+1xPower+1xEth.+1xLine In	●
		2xRS+1xPower+1xEth.+1xLine In	Option
	Privacy shield	Factory mounted	Option
		Field upgradable	Option
Security		PCI PTS 4.x Online & Offline	●

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1.2. Tested System Details

Photography of EUT

1.2.1.1. Power supply:

Name	Type	Rating	Reference	Sn	Comments
AC/DC Adaptor#1	☑ AC	100-240V—50-60Hz	INGENICO PSC16E-080	P/N: 192011097	/
AC/DC Adaptor#2	☑ AC	230V/50-60Hz/210mA	FW7577/EU/08	P/N 192025794	/
AC/DC Adaptor#5	☑ AC	100-240V 50-60Hz	PSM32W-080L6IN-R	None	/

1.2.1.2. Inputs/outputs - Cable:

Inputs/outputs - Cable: on DESK/5000 CI/Eth/Mod						
Access	**Type**	**Length used (m)**	**Declared <3m**	**Shielded**	**Under test**	**Comments**
Twist cable to Magicbox	Power supply Jack	2	☑	☐	☑	Supply Terminal
	RJ11 port					COM0
	RJ45 port					Ethernet line
	RJ11 port					Modem line
SAM1	SAM card	/	/	/	☑	/
SAM2	SAM card	/	/	/	☑	/
CAM0	SMART Card	/	/	/	☑	/
USB	USB port (Micro-B)	1	☐	☑	☑	/
USB HOST	USB port (Type A)	1	☐	☑	☑	/

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L C I E

Inputs/outputs - Cable: on Magicbox 51/2014 CUST P/N: 296100075 INGELEC P/N : MUL0885C						
Access	**Type**	**Length used (m)**	**Declared <3m**	**Shielded**	**Under test**	**Comments**
Supply Magicbox	Power supply Jack	1.5	☑	☐	☑	/
COM0	RJ11	3	☐	☐	☑	/
Ethernet	RJ45	5	☐	☐	☑	/
Modem	RJ11	5	☐	☐	☑	/
Magicbox cable twisted	Twist cable	2	☑	☐	☑	/

1.2.1.3.   Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Line simulator	TELTONE TLS-5	017652	/
Laptop	DELL LATITUDE	/	/
2 x SAM Card	/	/	/
1 x SmartCard	/	/	/

1.3.   Test Methodology

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

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 from **July 31th,2015 to March 21, 2016**.

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 (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.