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

GENERAL INFORMATION

FCCID: XKB-D5000M01

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



TELUM
TETRA

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 External	512 MB Flash, 512 MB RAM MicroSD up to 32GB	● Option
OS		TELIUM Tetra OS	●
SIM		2 SIM	Option
SAM		2 SAM 3rd SAM	● Option
Card readers	Magstripe Smart card Contactless	ISO 1/2/3, 500K lifespan EMV Level 1, 500K lifespan 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 Speaker	Stereo Mono	● Option Option
Video	Video accelerator	H264 codec	●
Thermal Printer	Speed in l/s Paper roll cage	20 l/s 58 mm width x ø 40 mm	●
Terminal connectivity	Wireless	3G GSM/GPRS Bluetooth Class 2 Wi-Fi Dial-up MODEM	Option Option Option Option ●
Terminal connections	Wired	Ethernet 10/100 base T	●
Terminal connections	USB	1 USB Host 1 USB Slave	● ●
Terminal connections	Power Supply	Dedicated power Jack	●
Terminal connections	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 Storage Temperature Operating Humidity	0°C to +40°C (32°F to 104°F) -20°C to +55°C (-4°F to 131°F) 85% non-condensing at +40°C (104°F)	● ● ●
Accessory	Magic Box Privacy shield	1xRS+1xPower+1xEth+1xLine In 2xRS+1xPower+1xEth+1xLine In Factory mounted Field upgradable	● Option Option 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:

During all the tests, EUT (Primary of AC/DC power supply converter) is supplied by V_{nom} : 240 / 50Hz VAC (Radiated Emission) & 110V / 60Hz (Conducted Emission Test)

For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference	Sn	Comments
AC/DC Adaptor#3	<input checked="" type="checkbox"/> AC	115-240V 50-60Hz	GE0100	None	/
AC/DC Adaptor#4	<input checked="" type="checkbox"/> AC	115-230V 50-60Hz	PSM32W-080	None	/
AC/DC Adaptor#5	<input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Supply Terminal
	RJ11 port					COM0
	RJ45 port					Ethernet line
	RJ11 port					Modem line
SAM1	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
SAM2	SAM card	/	/	/	<input checked="" type="checkbox"/>	/
CAM0	SMART Card	/	/	/	<input checked="" type="checkbox"/>	/
USB	USB port (Micro-B)	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/
USB HOST	USB port (Type A)	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/



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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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
COM0	RJ11	3	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Ethernet	RJ45	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Modem	RJ11	5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
Magicbox cable twisted	Twist cable	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/

1.2.1.3. Auxiliary equipment used during test:

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

Equipment information:

RF module:	NC		
Frequency band:	[13.553 – 13.567] MHz		
Antenna type:	<input type="checkbox"/> External:	<input checked="" type="checkbox"/> Internal:	
Equipment intended for use as a:	<input checked="" type="checkbox"/> Fixed station		<input type="checkbox"/> Mobile station
RF mode:	<input type="checkbox"/> TX	<input checked="" type="checkbox"/> TX /RX	<input type="checkbox"/> RX
Standby mode :	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No

NC : Not communicated by customer

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or ANSI C63.10, 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 **July 31th to October 16th, 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 and ANSI C63.10 (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.