



LCIE

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

GENERAL INFORMATION

FCCID: XKB-SELFCL

1.1. Product description

ingenico
Smart terminals

TECHNICAL DATASHEET

Self/2000

Product Reference: PSQ3031 1438

Designation: Contactless self-service terminal with touch-screen

Recommended use: Vending, EV charging, Carwash...



FEATURE			
Platform	Crypto & Application processor OS	Cortex A5 TETRA	<input type="checkbox"/>
Memory	Internal	512 MB RAM / 512 MB Flash	<input type="checkbox"/>
	External	MicroSD up to 32GB	<input type="checkbox"/>
SAM		2 x SAM ID-000	<input type="checkbox"/>
Card reader(s)	Contactless	EMV Level 1 compliant / ISO 14443 A/B/E'	<input type="checkbox"/>
Display	Color	3.26" backlit, QVGA portrait mode (240x320)	<input type="checkbox"/>
Touchscreen	Capacitive	Ruggedized with 6 mm glass thickness	<input type="checkbox"/>
Keypad	Virtual	Keyboard on the screen	option (by sw)
Audio	Buzzer	Mono	<input type="checkbox"/>
	Polyphonic sound (wav reader)	Thru external loudspeaker (not provided)	<input type="checkbox"/>
Camera	In front of the device	2MP – fixed focal	<input type="checkbox"/>
		Without camera (software lock)	option
Terminal connections	USB	1 x USB Slave (USB-B connector)	<input type="checkbox"/>
		2 x USB Host (USB-A connector)	<input type="checkbox"/>
		2 x RS232 (RJ11 connector)	<input type="checkbox"/>
		1 x 2 PIN connector for external loudspeaker	<input type="checkbox"/>
Connectivity	Ethernet 10/100 CONNECTIVITY BOX (in slot #2)	MDB BOX (1x MDB Master + 1x MDB Slave)	option
		1 x RJ 45	<input type="checkbox"/>
Power supply	External power supply POWER BOX (in slot #1) MDB BOX (in slot #1)	2G	option
		3G	option
		4G (AUS or US or EU)	option
		2G+BT	option
		3G+BT	option
Terminal size	EVA standard Overall W x H x D mm	4G+BT (AUS or US or EU)	option
		SDM EVA	<input type="checkbox"/>
Terminal mounting	From outside the kiosk From inside the kiosk	85 x 107.5 x (tbd) mm	<input type="checkbox"/>
		With optional EVA SDM steel plate	option
Weight		tbd gr	
Environment	Operating Temperature Storage Temperature Operating Humidity non condensing	-20°C to +70°C	
		-20°C to +70°C	
		95% HR at +55°C	
Material	Plastic	Compliant fire & smoke standard (EN 45 545-2)	
IP	Ingress protection	IP 65	
IK	Shock protection	IK 09	
Security		PCI PTS 5.1 certified	
Accessories (not provided)	EVA SDM steel plate Spacer (up to 2) Cables PSU	For mounting from inside the kiosk	option
		To reduce the product's space inside the kiosk	option
		USB cables, SERIAL cables...	option
			option



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TECHNICAL DATASHEET

Self/5000

Product Reference: PSQ30311442

Designation: All-in-One self-service terminal with touch-screen

Recommended use: Vending

FEATURE			
Platform	Crypto & Application processor OS	Cortex A5 TETRA	<input type="checkbox"/> <input type="checkbox"/>
Memory	Internal External	512 MB RAM / 512 MB Flash MicroSD up to 32GB	<input type="checkbox"/> <input type="checkbox"/>
SAM		2 x SAM ID-000	<input type="checkbox"/>
Card reader(s)	Contactless Smart Card Magstripe Hybrid card reader (horizontal insertion) Shutter	EMV Level 1 compliant / ISO 14443 A/B/B' EMV Level 1 / 500k reads lifespan ISO 1/2/3, 500k reads lifespan With RGB backlighted LEDs (anti-skimming) To avoid insertion of non card inside the reader	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Display	Color	3.26" backlighted, QVGA portrait mode (240x320)	<input type="checkbox"/>
Touchscreen	Capacitive	Ruggedized with 6 mm glass thickness	<input type="checkbox"/>
Keypad	Virtual	Keyboard on the screen	option (by sw)
Audio	Buzzer Polyphonic sound (wav reader)	Mono Thru external loudspeaker (not provided)	<input type="checkbox"/> <input type="checkbox"/>
Camera	In front of the device	2MP – fixed focal Without camera (software lock)	<input type="checkbox"/> option
Terminal connections	USB Serial Sound MDB BOX (in slot#1)	1 x USB Slave (USB-B connector) 2 x USB Host (USB-A connector) 2 x RS232 (RJ11 connector) 1 x 2 PIN connector for external loudspeaker MDB BOX (1x MDB Master + 1x MDB Slave)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> option
Connectivity	Ethernet 10/100 CONNECTIVITY BOX (in slot #2)	1 x RJ 45 2G 3G 4G (AUS or US or EU) 2G+BT 3G+BT 4G+BT (AUS or US or EU)	<input type="checkbox"/> option option option option option
Power supply	External power supply POWER BOX (in slot #1) MDB BOX (in slot #1)	9-18 V DC – 2 PIN connector 10-45V DC 10-45V DC	<input type="checkbox"/> option option
Terminal size	EVA standard Overall W x H x D mm	SDM EVA 85 x 107.5 x (td) mm	<input type="checkbox"/> <input type="checkbox"/>
Terminal mounting	From outside the kiosk From inside the kiosk	With optional EVA SDM steel plate	<input type="checkbox"/> option
Weight		tdb gr	
Environment	Operating Temperature Storage Temperature Operating Humidity non condensing	-20°C to +70°C -20°C to +70°C 95% HR at +55°C	
Material	Plastic	Compliant fire & smoke standard (EN 45 545-2)	
IP	Ingress protection	IP 54	
IK	Shock protection	IK 09	
Security		PCI PTS 5.1 certified	
Accessories (not provided)	EVA SDM steel plate Spacer (up to 2) Cables PSU	For mounting from inside the kiosk To reduce the product's space inside the kiosk USB cables, SERIAL cables...	option option option option



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1.2. Tested System Details

Equipment information:

Frequency band:	<input checked="" type="checkbox"/> [13.553–13.567]MHz	<input type="checkbox"/> [125]kHz	<input type="checkbox"/> [-] MHz
RF mode:	<input type="checkbox"/> Transmitter	<input checked="" type="checkbox"/> Transceiver	<input type="checkbox"/> Receiver <input type="checkbox"/> Standby
Type:	<input checked="" type="checkbox"/> RFID	<input type="checkbox"/> EAS	<input type="checkbox"/> Other:
Bandwidth:	<input type="checkbox"/> Narrowband (ISO15693, ISO18000-3...)		<input checked="" type="checkbox"/> Wideband (ISO14443, NFC...)
Product class – Annex B.2	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3 <input type="checkbox"/> 4
Channelized system:	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes, channel spacing: kHz	
Equipment intended for use as a	<input checked="" type="checkbox"/> Fixed		<input type="checkbox"/> Mobile <input type="checkbox"/> Portable
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone		<input type="checkbox"/> Plug-in <input type="checkbox"/> Combined
Antenna Type:	<input type="checkbox"/> External		<input checked="" type="checkbox"/> Internal
Antenna connector:	<input type="checkbox"/> Permanent external	<input type="checkbox"/> Permanent internal	<input checked="" type="checkbox"/> None <input type="checkbox"/> Temporary (only for tests)
Antenna Gain:	0 dBi		
Duty cycle:	<input checked="" type="checkbox"/> Continuous duty	<input type="checkbox"/> Intermittent duty	<input type="checkbox"/> Continuous operation
Equipment type:	<input checked="" type="checkbox"/> Production model		<input type="checkbox"/> Prototype
Temperature range:	T _{min} :	<input checked="" type="checkbox"/> -20°C	<input type="checkbox"/> 0°C <input type="checkbox"/> °C
	T _{nom} :	20°C	
	T _{max} :	<input type="checkbox"/> 35°C	<input type="checkbox"/> 55°C <input checked="" type="checkbox"/> +65 °C
Type of power source:	<input type="checkbox"/> AC power supply	<input checked="" type="checkbox"/> DC power supply	<input type="checkbox"/> Battery (Select type)
Test source voltage:	V _{min} :	<input type="checkbox"/> 207V/50Hz	<input checked="" type="checkbox"/> 9 VDC
	V _{nom} :	<input type="checkbox"/> 230V/50Hz	<input checked="" type="checkbox"/> 12 VDC
	V _{max} :	<input type="checkbox"/> 253V/50Hz	<input checked="" type="checkbox"/> 16 VDC

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15C.

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: **September 2 to 4, 2019**

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 or/and ANSI C63.10.

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, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.