


# GENERAL INFORMATION

## 1.1. Product description


Payment Solutions

PIN Pad

PP30S



Lightweight enough to be handed over for fast and convenient PIN entry, the PP30S PIN pad delivers the ultimate in easy operation experiences. A low-cost entry level device, the extremely durable PP30S is perfect for any fast transaction environment. Fitting neatly into the palm of the hand, its ergonomically designed keypad is intuitive and easy to use, while a crystal-clear LCD – which features two 16-character lines of display – provides crisp readable prompts to guarantee error-free operation. Two menu keys, together with a navigation key situated just below the display, makes rapid menu navigation and foolproof user access to applications a reality. Easy to handle and handover, the PP30S provides a powered USB terminal connection for additional payment convenience at the point of sale.





## PIN Pad

# PP30S

### Security

Built around Ingenico's industry proven Telium technology to provide assured secure data and application management, the PP30S delivers the ultimate in secure transactions. Fully EMV and PCI PED approved, and supporting the latest international security algorithms (DES, TDES, RSA, DUKPT and Master/Session), the PP30S features an optional privacy shield for additional peace of mind.



### Performance

Thanks to Ingenico's Telium architecture and its EMV level 2 kernel, the PP30S delivers the super fast processing of powerful cryptographic algorithms to make fast-paced transactions a reality. Easy to integrate into the POS platform, the PP30S steps up the security of your payment system by providing additional confidentiality at the PIN entry stage.



### Design/Ergonomics

Trim, compact and extremely lightweight the PP30S is designed to be extremely easy and convenient to handle. Simple to set up, its intuitive keypad plus a clear crisp LCD display make PIN-entry transactions and menu navigation straightforward and quick.

### Communication

Equipped with a powered USB connection, the PP30S makes integration with POS terminals simplicity itself. Now merchants can make confidential PIN entry part of their customer service strategy.

### Software development

Ingenico delivers incremental revenue today and future proofs the terminal investments of tomorrow. Uniquely, the PP30S is backwards compatible with all 800+ Ingenico services and applications, while providing the rapid development environment on which to build a compelling portfolio of targeted, new generation services.

### Field Services

To reduce total cost of ownership and enable banks and merchants to maximize their terminal investments, Ingenico provides a comprehensive range of terminal and software update and management services – both remotely and in the field. Fully certified professional and local language helpdesks operate in every territory to ensure Ingenico is on hand to support customers 24 hours a day, seven days a week, 365 days a year.

NAME		PP30S
Processor	Type	ARM 7
	Speed	50 MIPS
Memory	RAM/Flash	96/512 KB
	Yellow/Green	●
Display	2 lines of 16	●
	Number of keys	15
Keyboard	Number navigation keys	4
	Buzzer	●
Power	Power range	5V
	Power USB 5V	●
Size	Size	L 135 x I 86 x H 34
Weight (in gr)		130
Customization	Lens	optional
	Casing	optional
PIN Shield		optional
Environment	Operating temperature	+5°C to + 40°C
	Operating humidity NC	+85% at +40°C
PCI PED	Online/offline	●

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## 1.2. Related Submittal(s) / Grant(s)

All host equipments used in the test configuration are FCC granted, when relevant.

## 1.3. Tested System Details

The FCC IDs for all equipment, with description of all cables used in the tested system are:

Trade Mark – Model Number (Serial number)	FCC ID	Description	Cable description
PP30S-110-01* Sn: 09290PP10000100	XKB-PP30S	Pin pad	USB cable shielded (1.20m)
TOSHIBA SATELITE S1410-704 (PS141E-04YCM-3V) sn: 13594938G	None	Laptop	Power cable unshielded
Power supply unit (PA3201U-1ACA SEB100P2-15.0)	None	Adaptor AC/DC	Power cable unshielded

## 1.4. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003, 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.

## 1.5. Test facility

Tests have been performed on October 28<sup>th</sup>, 2009

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 25<sup>th</sup>, 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.