PIN Pad

iPP320/350

Finally, a PIN Pad that stands out - designed with the merchant in mind

Ingenico's iPP320/350 Series takes the PIN Pad to the next level. Built on the industry-unique dual chip Telium 2 architecture, the iPP320/350 Series is the first "all-in-one" PIN Pad to have a dedicated ARM 7 crypto processor to handle highly secure transactions. It comes with multiple card readers, a bright customer-friendly display, and a simply elegant design. Using a single cable with flexible adaptation, this handheld PIN Pad is a convenient plug-and-play device which fits perfectly in your customer's hand. The iPP320/350 Series uses a 32-bit ARM9 processor to speed up card transactions even during the peak traffic conditions, providing convenience and comfort across the board. The iPP320/350 PIN Pad assures return on your investment for many years ahead.

ingenico®

iPP320/350

Security

Built on public-key infrastructure with the latest security requirements in mind, the iPP320/350 Series is equipped with an ARM7 crypto processor that is dedicated to handle all security-based functionality. This provides an extra firewall and additional processing power that results in fast and secure transactions for retail. Designed to be EMV Level 1 & 2, and PCI PED V2.1 approved and supporting the latest international security algorithms (DES, 3DES, RSA, DUKPT and Master/Session), the iPP320/350 Series features a Kensington security slot anti-theft system and optional PIN privacy shield for additional peace of mind.

Performance

The iPP320/350, with a 32-bit ARM9 RISC processor, makes fast-paced card transactions a reality. Ingenico's Telium 2 architecture and its EMV Level 2 kernel enable this PIN Pad to process powerful cryptographic algorithms at a speed of 450 million instructions per second. Leveraging the Application-Specific Integrated Circuits (ASIC) technology to deliver long term reliability, the pad groups a large number of hardware and software functions while requiring about 50% fewer components.

Design/Ergonomics

Lightweight and stylish, the iPP320/350 Series ensures ease-of-use. Its large 19-key backlit ergonomic keypad – complete with menu and navigation keys – and crisp LCD display makes PIN-entry and option choice effortless. Delivering true payment versatility, it features a high performance EMV smart card reader, a magnetic card reader, and an optional integrated PayPass® and PayWave® contactless reader. ExpressPay® and Discover Zip® are coming soon.

Communications

This all-in-one PIN Pad provides an array of connectivity options. From powered USB and serial (RS-232) ports to Ethernet connection interfaces, it delivers truly impressive integration capabilities.

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.

NAME			iPP320	iPP350
Processor	Main Processor	Thunder (ARM9), 450 MIPS	●	●
	Crypto Processor	Booster (ARM7), 50 MIPS	●	●
Memory	Internal	128 MB Flash 16 MB SDRAM	●	●
	External	µSD Supporting up to 8G	●	●
Operating System	Telium 2	Telium Based Application	●	●
SAM Slots		Quantity = 3	●	●
Card Readers	Magnetic Stripe	Triple Track (500,000 Swipes)	●	●
	Smart Card	EMV L1 (500,000 Insertions)	●	●
	Contactless	Optional Integrated Reader	●	●
LCD Display	Color	TFT Color Display QVGA 2.7" (320 x 240) 4096 Colors		●
	Monochrome	FSTN Monochrome Display (128 x 64) White Backlit	●	
Keypad		19 keys, Raised Marking, Backlit, ADA-Friendly	●	●
Audio	Powerful Buzzer	65 dB at 1M	●	●
Connectivity	USB device	USB 2.0 - Device	●	●
	Serial	RS-232	●	●
	Ethernet	10/100 BT	●	●
	Tailgate	Optional	●	●
Power Supply	Powered USB	5V 500 mA	●	●
	Powered RS-232	5V or 12 V	●	●
	External	Optional	●	●
Size	Without PIN Shield	168 mm x 83 mm x 41 mm/ 6.3 in x 3.3 in x 1.6 in	●	●
Weight	Without PIN Shield	270 Grams/9.53 Ounces	●	●
Environment	Operating Temp.	+5° to +45°C (+41° to +113°F)	●	●
	Storage Temperature	-20° to +70°C (-4° to +158°F)	●	●
	Operating Humidity	85% HR to +55°C (131°F)	●	●
Privacy Shield	PCI Compliant	Optional	●	●
Transaction Security		PCI PED 2.1 Aproved; EMV Level 1 & 2 Compliant	●	●

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beyond payment

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Legacy, Inc.,
160 West Road,
Ellington, CT 06029

Toll Free: 866-271-9891
Fax: 888-522-4684