Ingenico 6780

PIN Pad | Range

Color Touch Screen Payment Terminal

- The **Ingenico 6780** is the focal point for customer-activated electronic payment, signature capture and customer directed advertising, **providing the fastest and most secure customer checkout possible**.

- Keypad has raised symbols to enhance usability for visually impaired consumers.

- The i6780's large colorful glass touch screen, triple track magnetic stripe reader, electronic pen and EMV approved smart card reader provide an intuitive customer interface for quick payment and directed advertising at the checkout counter.

- The i6780 is secure – PCI PED approved and Triple DES capable – providing peace of mind for both the consumer and the retailer.

- The i6780's comprehensive array of communication support enables the terminal to fit in any host device, network or LAN environment.

EMV
Fast transaction time

UNICAPT ®
Application compatibility

HSC 32 bits
Secure module

Ethernet

Remote downloading

ingenico

Secure transaction and payment solutions

Ingenico
6780

Ingenico 6780 Specifications

Display	Glass TFT LCD display with a resolution of 320x234 and 256 colors
	Glare resistant display is sealed to withstand accidental spillage of liquids with no damage to the terminal
Keypad	Keypad has raised symbols to enhance usability for visually impaired consumers
Memory	Standard 2MB RAM + 8MB Flash
Magnetic Stripe Reader	Triple track
Smart Card Reader	EMV Levels 1 & 2 approved (4.0)
SAMs	0 or 2
Connectivity (Standard)	Multi-protocol support on host port: RS232, RS485, USB/Powered USB
	RS232 protocol support on auxiliary port
	Ethernet support
Security	PCI PED approved
	ANSI standards include X3.92, X9.8, X9.9, X9.19, and X9.24
	Code Authentication providing secure application code loading
	DES and Triple DES PIN encryption
	DUKPT and MasterSession key management
Power	Unit can be powered from cash registers, powered USB and standalone power supplies
Optional Contactless Payment Expansion Module Specifications	Uses the industry standard four programmable LEDs to indicate power-on and successful read
	Read Proximity Range of 0 – 4 cm (1.57 in.)
	Radio Frequency of 13.56 MHz
	ISO14443 Type A & B with Mifare support
	Power provided by the host terminal
	RS232 communications to host
	Install in the field by simply replacing the foot of the terminal

Proven, robust, intuitive and versatile user interface
- The Ingenico 6780 features a tempered glass screen that is resistant to scratches and damage will not need replacement after repeated use.
- The i6780's capacitive screen and electrostatic pen produce the most rugged and responsive implementation for signature capture and touch input, providing complete hand rejection during signature capture and excellent finger touch responsiveness for debit.

Integrated keypad for accessibility requirements
- Tactile keypad meets requirements for the visually impaired.
- Integrated keypad ensures lower cost of ownership by maintaining a common platform across all regions.

Optimal connectivity
- Standard host communication protocols include RS232, RS485, USB and powered USB. Ethernet support is also standard.

Resilient consumer and retailer security
- PCI PED approved and Triple DES capable.
- The i6780's keypad complies with Visa PIN Entry Requirements, as well as all relevant ANSI standards regarding debit security.
- DUKPT and MasterSession.
- The i6780's smart card reader is EMV 4.0 approved, offering optimal interoperability and security.

Next generation payment technologies available today
- Optional consumer friendly contactless reader appears as an integrated part of the existing payment terminal.
- Decreased transaction times provide value for both the consumer and retailer.
- The Ingenico Contactless Payment Expansion Module is certified to run with the following three programs:
  - American Express ExpressPay™
  - Mastercard PayPass™ ISO 14443 and PayPass Mag-Stripe Application (tested with e^N-Touch 1000)
  - Visa Contactless MSD

Application development made simple
- Ingenico's UNICAPT 32 architecture is a proven, robust and flexible development platform used in over 4 million Ingenico EFT POS terminals worldwide.

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