

The first secure, rugged and multi-function mobile terminal

# Ingenico i8500

MOBILE

RANGE

- **Ingenico i8500** combines secure transaction capabilities with integrated state of the art features for professionals on the move.
- It is highly rugged and reliable mobile terminal with an extended life span and low maintenance requirements.
- A color touchscreen display provides optimal user interface and allows electronic signature capture.
- Based on Ingenico's new UNICAPT™ 32-bits architecture and built-in EMV level 2 kernel, the terminal provides fast and secure processing of powerful cryptographic algorithms.
- With its built-in thermal printer, barcode reader, GSM/ GPRS module, magnetic and smart card readers, i8500 provides an all-in-one solution.



EMV  
Secure Payment  
Transactions



UNICAPT 32  
Application  
Compatibility



Bar code  
reading



Wireless  
Communications



Rugged



Color  
Touchscreen



Signature  
Capture



 **ingenico**

World leader in secure transactions and payment solutions

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# Ingenico i8500



Integrated bar code reader



Integrated handstrap



Optimal and secure card reading



Intelligent Lithium Ion battery



Cradle with V.34 Modem



Electronic Signature capture



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### Rugged and extremely compact

- Ingenico i8500 is built to survive multiple drops of 4 feet/ 1.2m to concrete.
- It's compact design, light weight and integrated handstrap make it easy to carry all day.

### All-in-one terminal

- Large monochrome display or color touchscreen display offering signature capture capabilities.
- Ingenico i8500 integrates an extremely quiet, yet fast, thermal, easy loading paper.
- 1D or 2D barcode technology allows states of art data input.
- GSM/ GPRS module enables remote data communications.
- The intelligent Lithium Ion battery provides extended battery life as well as providing a fast charge capability. The Ingenico i8500 can be charged via cradle or through direct cable charge.

### Outstanding security features

- The integrated High Security Core (HSC) has been developed from years of Ingenico's security expertise. It meets the most demanding security requirements of payment transactions
- Multi application security is provided by UNICAPT™ technology permitting several applications to run independently on the same device.

### Physical Characteristics

Dimensions	Overall: 21 cm (8.3 in) L x 10 cm (3.9 in) W x 5.8 cm (2.3 in) H Grip Area: 7.5 cm (3 in) W x 3.8 cm (1.5 in) H
Weight	650g
Drop Specifications	4 ft/ 1.2 m to concrete
Environmental	Operating temperature: 0 C to 50 C. Storage temperature: -20 C to 50 C. Humidity: 95% non-condensing
Features	

### Built in Features

Display	160 x 160 pixels, monochrome
Battery	7.2V 1800 mAh Lithium Ion User accessible and easily removable by operator
Printer	Easy-loading quiet printer with graphics capabilities and Paper end detection. 58 mm paper width. Fast 12 lines/second print speed
Wireless Wide Network Area Communications	Dual band GSM/ GPRS class 10 (900-1800 MHz or 850-1900 MHz) Optional CDMA (800 MHz - 1900 MHz). Internal Antenna
Memory	2Mb RAM - 8Mb Flash

### Security

Operating System	UNICAPT 32. Embedded EMV level 2 kernel, HTML browser and TCP/IP stack
CPU	Integrated 32 bits High Security Core. EMV level 1 approved Visa PED (PIN Entry device), Interac and ZKA T-systems compliant
Keypad	18 secure and backlite buttons for PIN entry including 2 function keys. 1 scroll key for easy navigation
Smart Card Reader	EMV 4.1 level 1 complaint. ISO 7816 1-2-3 Async/ Sync. T=0 & T=1
Magnetic Card Reader	ISO 1&2 or 2&3 tracks. Bi-directional
SAMs	1 GSM SIM + 2 SAMs

### Peripherals and Accessories

Charge	Direct charge cable in standard. Optional direct charge cable with RS232 and USB. Optional cradle with V.34 modem, 2 RS232 and 1 USB port. Optional vehicle cradle with cigarette lighter adaptor
Headset	Headset jack supporting one and two earpiece headsets, integrated switch and volume control
Accessories	Integrated handstrap. Customizable printer lens with logo Optional privacy shroud

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