

The first secure, rugged  
and multi-function  
mobile terminal

# Ingenico 8500

Mobile

Range

- **Ingenico 8500** combines secure transaction capabilities with integrated state of the art features for professionals on the move.
- It is a highly rugged and dependable 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 UNICAPT™ 32 bits architecture, it 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**



**Color  
touchscreen**



**Rugged**



**Signature  
capture**



# The first secure, rugged and multi-function mobile terminal

# Ingenico 8500



Integrated bar code reader



Integrated handstrap



Optimal and secure card reading



Intelligent Lithium Ion battery



Cradle with V34 modem



Electronic signature capture



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## Highly rugged and compact

- Ingenico 8500 is built to survive multiple drops of 4 feet/1.2 m to concrete.
- Its 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 8500 integrates an extremely quiet, yet fast, thermal and easy loading printer.
- 1D or 2D barcode technology allows state of the art data input.
- GSM/GPRS module enables remote data communications.
- The Intelligent Lithium Ion battery provides extended battery life as well as fast charging capability. i8500 can be charged via direct charge or through an optional cradle.

## 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

<b>Dimensions</b>	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
<b>Weight</b>	750 g
<b>Drop specifications</b>	4 ft./1.2 m to concrete
<b>Environmental features</b>	Operating temperature: 0° to 50°C. Storage temperature: -20° to 50° C. Humidit : 95% non condensing
<b>Built in features</b>	
<b>Display</b>	Monochrome 160 x 160 pixels or resistive color touchscreen 240 x 240 pixels with signature capture capabilities
<b>Scanner/reader</b>	Integrated 1D or 2D (imager) barcode scanner
<b>Battery</b>	7.4 V 1800 mAh Lithium Ion
<b>Printer</b>	Easy-loading quiet printer with graphics capabilities and paper end detection. 58 mm paper width. Fast 12 lines/second print speed
<b>Wireless wide area network communications</b>	Dual band GSM/GPRS Class 10 (900-1800 MHz or 850-1900 MHz). Optional CDMA (800-1900 MHz). Internal antenna
<b>Wireless local area network</b>	802.11 Wi-Fi in option
<b>Memory</b>	2 MB RAM – 8 MB Flash. Accessible MMC interface
<b>Security</b>	
<b>Operating system</b>	UNICAPT 32. Embedded EMV level 2 kernel, HTML browser and TCP/IP stack
<b>CPU</b>	Integrated 32 bits High Security Core. EMV level 1 approved. Visa PED (PIN Entry Device) compliant
<b>Keypad</b>	17 secure and backlit keys for PIN entry including 2 function keys. 1 scroll key for easy navigation
<b>Smart card reader</b>	EMV 4.0 level 1 compliant. ISO 7816 1-2-3. Async / Sync. T=0 & T=1
<b>Magnetic card reader</b>	ISO 1/2 or 2/3. Bi directional
<b>SAMs</b>	1 GSM SIM + 2 SAMs
<b>Peripherals and accessories</b>	
<b>Charge</b>	Direct charge cable in standard. Optional direct charge cable with RS 232 and USB. Optional cradle with V34 modem, spare battery charging well, 2 RS232 and 1 USB port. Optional vehicle cradle with cigarette lighter adapter
<b>Headset</b>	Headset jack supporting one or two earpiece headsets, integrated switch and volume control
<b>Accessories</b>	Integral handstrap. Customizable lens with logo. Shroud (optional)