

The first mobile terminal
to combine superior
ruggedness and security

Ingenico 8200

Mobile Range

- **Ingenico 8200** is the perfect solution for secured payment transactions in mobile environments.
- Highly rugged, Ingenico 8200 provides extended lifetime as well as reduced maintenance costs.
- GPRS communications allow the merchant to take the point of sale to wherever it is needed and to lower communication costs.
- Its compact design, large backlit display, easy loading and fast printer, long magnetic stripe reader and intelligent Li Ion battery provide performance, reliability and comfort for day-to-day use.
- Based on Ingenico's new UNICAPT™ 32 bits architecture and coming with EMV level 2 kernel, it provides fast and secure processing of powerful cryptographic algorithms.



EMV
Secure payment
transactions



UNICAPT 32
Application
compatibility



GSM/GPRS



Compact



Rugged



**Intelligent
Li Ion battery**



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Easy loading and fast printer



Integrated handstrap



Optimal and secure card reading



Intelligent Lithium Ion battery



Cradle with V34 modem



Direct charge cable



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Highly rugged and compact

- Ingenico 8200 is built to survive multiple drops of 4 feet / 1.2 m to concrete.
- Its compact design, light weight and integral handstrap make it easy to carry all day.

Enhanced ergonomics and performance

- The long card swipe ensures efficient magnetic card reading.
- The large backlit display provides improved human interface and comfortable reading in dim light environments.
- Ingenico 8200 integrates an extremely quiet, yet fast, thermal and easy loading printer.
- The Intelligent Lithium Ion battery provides extended battery life as well as a fast charge capability. Ingenico 8200 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 security expertise by Ingenico. It meets the most demanding security requirements of payment transactions (Visa PED, Interac, ZKA T-Systems...). It has a 32 bit processor supporting powerful encryption (RSA, DES, 3DES, AES, SHA...) and ensuring confidential data is secure.
- 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 650 g

Drop specifications 4 ft. / 1.2 m to concrete

Environmental features Operating temperature: 0° to 50° C - Storage temperature: -20° to 50° C. Humidity: 95% non condensing

Built in features

Display 160 x 160 pixels, monochrome

Battery 7.2 V 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 Area Network Communications Dual band GSM/GPRS class 10 (900-1800 MHz or 850-1900 MHz).
Optional CDMA (800-1900 MHz). Internal antenna

Memory 2 MB RAM - 4 Mb or 8 Mb Flash. Optional MMC interface

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 17 secure and backlit keys for PIN entry including 2 function keys. 1 scroll key for easy navigation

Smart card reader EMV 4.0 level 1 compliant. ISO 7816 1-2-3.
Async / Sync. T=0 & T=1

Magnetic card reader ISO 1/2 or 2/3. Bi directional

SAMs 1 GSM SIM + 2 SAMs + 1 full ISO format card

Peripherals and accessories

Charge Direct charge cable in standard. Optional direct charge cable with RS232 and USB. Optional cradle with V34 modem, spare battery charging well, 2 RS232 and 1 USB port. Optional vehicle cradle with cigarette lighter adapter

Headset Headset jack supporting one or two earpiece headsets, integrated switch and volume control

Accessories Integral handstrap. Customizable lens with logo. Privacy shroud (optional)