EMV & NFC Technologies

Secure EMV Chip-based & NFC-enabled POS Technologies Are Here!

What is EMV?

Named after the original organizations that created the specification, Europay, MasterCard and Visa, EMV, is a global standard for inter-operation of integrated circuit cards (IC cards or "chip cards") and IC card capable point of sale (POS) terminals and automated teller machines (ATMs), for authenticating credit and debit card transactions.

Source: Wikipedia, http://en.wikipedia.org/wiki/EMV

What is NFC?

Near field communication (NFC) is a set of standards for smartphones and similar devices to establish radio communication with each other by touching them together or bringing them into close proximity, usually no more than a few inches. Present and anticipated applications include contactless transactions, data exchange, and simplified setup of more complex communications such as Wi-Fi. Communication is also possible between an NFC device and an unpowered NFC chip, called a "tag".

Source: Wikipedia, http://en.wikipedia.org/wiki/Near_field_communication

Security   Smartcard   Contactless

PRIORITY
PAYMENT SYSTEMS®

ingenico
GROUP

iCT 220CL

Sophisticated merchant services in a compact standalone countertop device

- Provide merchants with a compact payment device using minimum countertop space.

- Offer a unique payment experience from an ergonomic, intuitive device.

- Accept all electronic payment methods including EMV chip & PIN, magstripe and NFC/contactless.

security   smartcard   magstripe   contactless   color display

The iCT220CL is the most convenient and reliable standalone payment device on the market.

Highest Security
The iCT 220CL meets the highest security requirements and is PCI PTS 3.x certified with SRED and Open protocol modules. The optional PIN privacy shield provides additional PIN entry confidentiality.

All Payment Options
Offering EMV chip & PIN, magstripe & NFC/contactless payment, the iCT 220CL also enables new NFC couponing and wallet applications.

Designed for Merchants
Among the world's smallest and lightest devices, the iCT 220CL is designed for easy handling and robust daily use. The backlit keypad and color LCD display make PIN entry and menu navigation easy and intuitive. Large keys, power buzzer and visual indicators speed transactions and reduce PIN entry errors.

All Connectivity & Communication
Equipped with an unparalleled array of communication technologies such as high speed modem or Ethernet, the iCT 220CL delivers anytime, anywhere connectivity.

Brand Promotion
Brand promotion is empowered by a crisp color graphic display, software customization and hardware personalization options (top casing, printer cover flap or lens).

Telium 2
Powered by the Ingenico Group, Telium 2 technology is the result of 30 years' experience in the payment industry. Secure, highly integrated and fast, Telium 2 is the world's best platform for secure payment services. With advanced functions, it can easily manage more than 2,000 graphical libraries and handle new business service apps. Telium 2 is the fully scalable, reliable operating system embedded into Ingenico Group's 20 million terminals deployed worldwide.

Feature		Description
Processor	ARM 9 & ARM 7	●
Memory	16 RAM /128 Flash	●
	µSD Card	Option
SAM		Up to 3
Card readers	Smart card	1 + 2nd optional
	Magstripe	●
	Contactless	●
Display	Size & Resolution	Black and white, 2.7'' graphic 128 x 64 pixels
	Backlit	●
Terminal connectivity	Dial-up modem	●
	Ethernet	Standard
Keypad	Backlit operational keys	15
	Navigation keys	4
Audio	Buzzer	●
Thermal printer	Speed in lines/second	18 l/s
Connections on terminal	RS232	1 (+1 optional)
	USB host	1
	USB slave	1
	Power supply connector	1
Power supply	External power supply	230V 50Hz
Terminal size	L x W x H	7.28 x 3.26 x 2.48
Weight	Terminal without paper roll/cable	11.46 oz
Privacy shield		Option
Customization	Lens marking	Option
	Printer cover flap	Option
	Top casing	Option
Connections on Magic Box (optional)	Power supply connector	1
	RS232	1 (+1 optional)
	Line in	1
	Ethernet	1
Environment	Operating temperature	41°F to 113°F
	Storage temperature	4°F to 131°F
	Relative humidity, non-condensing	85% HR at +104°F
Security	Online & offline	PCI PTS 3.x

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Smart terminals