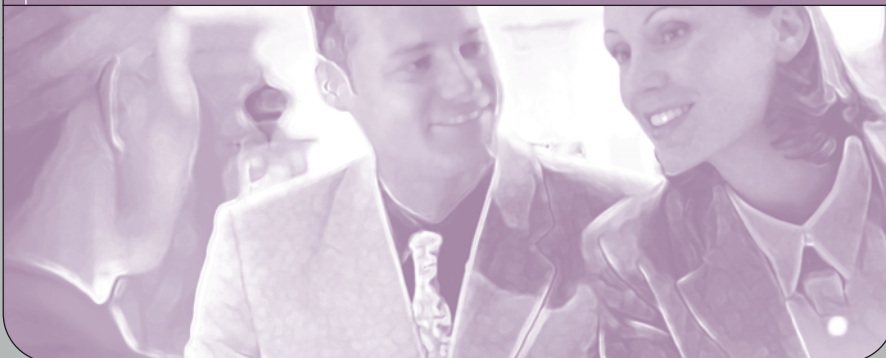


PIN Pad

ML30_{series}

The ML30 series combines smart card, magnetic card and contactless readers, with mobile phone (NFC) payment in a single integrated package. This all-in-one intelligent PIN pad is perfect for small and mid-size merchants looking to connect to a payment terminal, or retailers who want PC or POS device connectivity. Extremely user-friendly, the ML30 series features an easily accessible contactless reader – approved by MasterCard PayPass and Visa PayWave – for card or mobile phone payments together with a front load EMV smart card reader that supports both simple (SDA) or dynamic (DDA) authentication, and an easy to use multi-directional magnetic card swipe. A backlit graphics screen helps consumers with PIN entry, while a large 16-key ergonomic keypad – complete with menu and navigation keys – guarantees fast error-free operations. All this, plus an extensive choice of communication interfaces and a stunning full colour screen for greater transaction visibility, makes the ML30 series a truly impressive transaction powerhouse.



ML30 series

Security

Built around Ingenico's industry proven High Secure Core to provide assured secure data and application management, the ML30 series delivers the ultimate in secure transactions. Fully EMV and PCI PED approved, and supporting the latest international security algorithms (DES, TDES, RSA, DUKPT and Master/Session), the ML30 series features an optional PIN privacy shield for additional peace of mind.

Performance

Thanks to Ingenico's Telium architecture and its EMV level 2 kernel, the ML30 series delivers the super fast processing of powerful cryptographic algorithms to make fast-paced transactions a reality. Tamper resistant and tamper responsive, the ML30 series steps up the security and transaction versatility of your payment system by providing additional confidentiality at the PIN entry stage.

Design/Ergonomics

Lightweight and stylish, the ML30 series is designed to be handled. Its intuitive keypad and crisp LCD display make PIN-entry and menu navigation simplicity itself. Designed to deliver a world of payment versatility, the ML30 series features an EMV smart card reader, high performance magnetic card reader, and an integrated contactless reader. Color display options deliver even greater visibility for error-free transactions.

Communication

This all-in-one PIN pad encompasses a wealth of connectivity. Alongside serial and USB ports or Ethernet connection interfaces, the ML30 series delivers truly impressive integration capabilities.

Software development

Ingenico delivers incremental revenue today and future proofs the terminal investments of tomorrow. Uniquely, the ML30 series is backwards compatible with all 800+ Ingenico Telium services and applications, while providing the rapid development environment on which to build a compelling portfolio of targeted, new generation services.

Field Services

To reduce total cost of ownership and enable banks and merchants to maximize their terminal investments, Ingenico provides a comprehensive range of terminal and software update and management services – both remotely and in the field. Fully certified professional and local language helpdesks operate in every territory to ensure Ingenico is on hand to support customers 24 hours a day, seven days a week, 365 days a year.



NAME		ML30	ML30 Contactless
Processor	Type	ARM 9 & ARM 7	ARM 9 & ARM 7
	Speed	200 MIPS & 50 MIPS	200 MIPS & 50 MIPS
Memory	RAM/Flash	8/16 MB	8/16 MB
Card Reader(s)	Magstripe	Track 1/2 or Track 1/2/3	Track 1/2 or Track 1/2/3
	Smart card	●	●
	Contactless		PayPass PayWave Mifare
SAMs		2 (optional)	2 (optional)
Color Display	TFT QVGA	option	option
	320 x 240, 4096 colors	option	option
	Backlit	option	option
Monochrome display	Yellow/Green	●	●
	Graphic 128 x 64	●	●
	Backlit	●	●
Keyboard	Number of keys	16	16
	Number navigation keys	4	4
	Backlit	●	●
Buzzer		●	●
Connections	RS 232	optional	optional
	USB Slave	●	●
	Ethernet	optional	optional
Power	Power range	5V & 8-12V	5V & 8-12V
	Power USB 5V	●	●
	External Power supply	optional	optional
Size	Size (without PIN shield)	L 165 x I 95 x H 45	L 165 x I 95 x H 45
Weight (in gr)		240	240
Customization	Lens	optional	optional
	Casing	optional	optional
PIN Shield		optional	optional
Environment	Operating temperature	+5°C to +40°C	+5°C to +40°C
	Operating humidity NC	+85% at +40°C	+ 85% at +40°C
PCI PED	Online/offline	●	●

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