



Artema PIN Retail

Powerful Chip and PIN solution for EPOS

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The power to meet new payment requirements

Artema PIN Retail is a high-performance PIN pad and card-reading device designed to meet the specific requirements of merchants and retail oil companies who use EPOS (Electronic Point of Sale) systems. With an in-built chip card and magnetic card readers Artema PIN Retail allows merchants to meet new transac-

tion and security requirements, such as EMV chip and PIN, without extending transaction times. In addition to fast, multi-application capability, Artema PIN Retail meets new industry security requirements, such as Visa PED online and off line.



A user-friendly customer interface

Artema PIN Retail is compact and robust, with a built-in shield to protect the confidentiality of the card-holder's PIN number. In-built chip and magnetic stripe card readers allow customers to initiate transactions, without handing over their card. Additionally Artema PIN Retail benefits from an intuitive and tactile keypad, as well as an optional large graphics display, for enhanced ease of use.

Fast application development

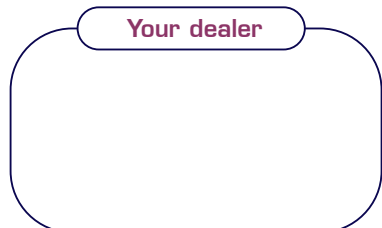
The need to react quickly to market forces and have confidence in your investment is provided through a common Artema platform and

a Software Development Kit (SDK). These allow new applications to be developed quickly and cost-effectively whilst reducing time to market.

Key features

- Fast 32 bits processor for complex chip transactions
- Large memory to support multiple applications
- Unlimited extractable memory for transaction or data storage
- EMV Chip card reader
- ISO 2 track Magnetic stripe reader
- Alpha-numeric or large graphics display
- Robust and intuitive design
- Large confidentiality shield to protect customer's PIN
- Two RS232 serial ports for connection to terminal or other peripherals

Your dealer



TECHNICAL SPECIFICATIONS

Microprocessor

- RISC 32 bits
- Manages cryptography according to international standards ISO9564, ISO11568, as well as standards of the individual card associations
- Supports RSA cryptography with key lengths of up to 2048 bits
- Authenticated software download without loss of keys

Certifications

- EMV Level 1
- Visa PED

Memory

- 2-8 MB FLASH
- 256 Kb - 1 MB SRAM
- Connector for Multimedia/Secure Digital memory cards

Display

- 2x16 alphanumeric with optional backlight
- Optional 132x64 graphic display

Keypad

- 17 keys of which 5 are function keys
- Buzzer for acoustic feedback
- No PIN shield as option

Chip card reader

- ISO 7816-3
- Meets EMV specifications
- Speed of communication with the card 159.000 bps
- Supports 3V and 5V cards
- Programmable clock frequency

Magnetic stripe reader

- ISO Track 2, 1&2 or 2&3

SAMs

- 0, 2 or 4 SAM connectors

Interface

- RS232 up to 115,200 bps
- Second RS232 for other peripherals
- Power supplied through RS232
- Power adaptor as option

Real time clock

- Maximum time drift of 1 minute per month to meet EMV specifications

Dimensions

- 204mm x 89.5mm x 48.5mm (without PIN shield)



THALES