



DECT

EMV



ARTEMA DECT

THE PORTABLE SOLUTION
FOR SECURE PAYMENT TRANSACTIONS

FIRST TERMINAL VISA PED APPROVED

THE FIRST DECT ELECTRONIC PAYMENT TERMINAL



The quality and security of a full digital radio link

Artema Portable is the fruit of more than 10 years of Thales e-Transactions expertise in the field of portable electronic payment terminals. When a connection to a bank server is required, the DECT⁽¹⁾ radio link enables you to stay with your customer while the entire transaction

is processed. With its full digital technology, DECT ensures fast, reliable and secure data transmission and strong immunity to radio interference from other sources : alarms, bar code readers, cordless phones, etc...

The exclusive Easy-click[®] instantaneous paper loading system will save you precious time on the job. In one move, a new roll is loaded, and the paper is positioned automatically. Artema is then ready to print new receipts very quickly and silently. In intensive use, terminal operation can be continued immediately with the second battery pack⁽²⁾ recharging in the docking station.

Easy to use - highly efficient



For the comfort of you and your customers

In a store, Artema avoids numerous wires and its small size frees valuable counter space. Wide keys and a friendly designed grip make it very easy to handle. The three navigation keys, combined with a multi-line graphical screen,

allow an intuitive use of the scrolling menus. The display and keypad are backlit to provide perfect readability, even under poor lighting conditions.

32-bit RISC : the power of the future

Fitted with a 32-bit RISC microprocessor and a large memory capacity, Artema offers increased power to process all bank and proprietary cards using chip or magnetic stripe technology. Its secure software architecture enables it to run today's and tomorrow's applications :

in-store and customer loyalty cards and electronic purses⁽³⁾. Artema is also compliant with the international EMV⁽⁴⁾ standard for processing new smart cards. With Artema, the future of electronic payment is in the palm of your hand.

your distributor

- (1) DECT : Digital Enhanced Cordless Telecommunications
- (2) optional accessory
- (3) 2 ou 4 connectors for SAM module
- (4) EMV : Europay International - Mastercard International - Visa International

CPU/Memory

- 32-bit RISC microprocessor
- 3 MB of non-volatile flash EEPROM (1 MB in docking station)
- Upgradable to 9 MB (optional)

Terminal to docking station link

- DECT digital radio link (1880 to 1900 MHz)
- Range : 250 m in open field, up to 100 m under normal operating conditions
- Secure encrypted data exchanges, high immunity to interference

PIN pad (optional)

- ZKA compliant or Visa PED compliant

Printer

- EASY-CLICK instantaneous paper loading system
- Fast thermal printer (speed : 11 lines/ second)
- 24/32/40 columns
- High-resolution graphics
- Automatic end-of-paper detection and opening of printer cover

Display unit

- Graphical (132 x 40 pixels), backlit
- 5 lines of 22 alphanumeric characters in text mode

Keypad

- 17 wide keys, including 3 navigation keys for the scrolling menus
- Programmable back lighting and beeping sound
- Customizable, integrated and removal keypad cover

Magnetic card reader

- Bi-directional ISO 1/2 reader (optional : ISO 2/3)

Smart card reader*

- ISO 7816-3
- Synchronous and asynchronous cards
- Compliant with EMV specifications

SAM card reader

- 2 ou 4 SAM microcard readers

Battery operation

- Over 100 transactions without returning to the docking station
- Recharges automatically when terminal is placed on the docking station
- On screen battery charge level indicator
- Removable battery pack
- Optional second battery pack that recharges on the docking station

Modem

- Multimode V22/V22bis

External connections

- On terminal : one RS232 link for fast software downloads (115 kbits/s)
- On docking station : two RS232 links (check reader, cash register, etc.), RS485 optional

Software

- Bank cards, loyalty scheme cards, proprietary cards, in-store cards, Electronic Purses
- Compliant with secure software specifications
- Modular software downloading : OS, kernel, applications
- Software Development Kit using C language
- Network protocols : SPDH, HPDH, SDLC and others

Mechanical architecture

- Independent shell and under-frame combination for an improved shock resistance
- Terminal : 243 x 90 x 65 mm, 680 g (with battery pack)
- Base : 235 x 138 x 74 mm

* I n°87126

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