



ARTEMA DESK

THE UNIVERSAL TERMINAL FOR THE
CARD ACCEPTANCE WORLD

ARTEMA DESK

TECHNICAL SPECIFICATIONS



Tested solutions and a promising future

All the key ingredients for success of the ARTEMA range in the various business sectors are found in the Artema Desk : 32-bit RISC processor, large memory capacity, ease-of-use, Easy-click™ instant paper loading, and ultra-fast printing. Artema Desk can handle all applica-

tions compliant with today's and tomorrow's standards: payment in €, EMV⁽¹⁾, customer loyalty cards, electronic purses⁽²⁾, and health-care applications⁽³⁾. The numerous options and variants available for this universally open platform mean that it can meet all your requirements.

Processing power adapted to current demand

Banking standards and increasing security requirements demand high-speed processing that only a 32-bit RISC processor can provide. The optional V34 and ISDN modems ensure the fast communications required for large data transfers. The Multimedia Card™ option delivers unrivalled storage capacity.

Simple and easy-to-use for optimal efficiency

Easy-click™ the instant paper loading feature, saves precious time when you need it most. Large, well-spaced keys facilitate entry and help avoid errors. Three navigation keys⁽⁴⁾ combined with the multi-line graphic display enable intuitive drop-down menus.

A multi-country terminal to handle all types of payments

The SDK software development toolkit provides our partners with an easy-to-use tool for developing all types of applications worldwide. It offers a large number of libraries including EMV Level 2 and protocols such as SDLC or

IP. Furthermore, the Artema Desk graphical displays can handle a variety of alphabets and character sets and the universal power supply provides unmatched flexibility for operating over a range of input voltages.

• FUTUREPROOF

• POWERFUL

• ERGONOMIC

• UNIVERSAL

CPU

- 32-bit RISC microprocessor
- 4.5 MB memory (4 MB non-volatile Flash 512K RAM with backup)
- Memory expandable up to 9 MB (8 MB Flash 1 MB RAM)

Printer

- Fast thermal printer: 12 lines/second
- EASY-CLICK™ instant paper loading
- 24/32/40 columns
- High-resolution graphics
- Large diameter paper rolls (56 mm)

Display

- 132 x 40 pixel backlit display
- 5 lines x 22 characters
- Optional 132 x 64 pixel backlit display (8 lines x 22 characters)

Keyboard

- 17 keys including 3 navigation keys
- Buzzer
- 6 optional menu keys

LEDs

- On-Off indicator
- Off-hook indicator

Magnetic Card Reader

- ISO 2 (variant 1/2 or 2/3)
- Bidirectional

Smart Card Reader*

- EMV level 1 approved
- Synchronous and asynchronous cards
- EMV level 2 approved
- Optional 2nd smart card reader

SAM Card Reader

- 2, 3, or 4 SAM microcard readers

Multimedia Card™

- from 2 to 64 MB Flash EPROM (file storage)

Modem

- Multimode V22/V22bis
- V32bis, V34, ISDN (optional)

External Ports

- 2 x RS232 ports including one for the PIN Pad
- Optional 3rd RS232 port
- Speed programmable up to 115,200 bps

External Power Supply

- Universal 100 to 230 V, 50/60 Hz

PIN Pad

- 2 lines x 16 characters display
- 15 keys keypad including 2 function keys
- Secure processor (DES and RSA)
- PIN shield

PIN Pad with Smart Card Reader

- EMV level 1 and VISA PED approved
- 2 SAM microcard readers
- 2 lines x 16 characters display (optional 122 x 32 pixel graphic version)
- 15 keys keypad including 2 function keys
- Secure processor (DES and RSA)
- PIN shield

Software and Services

- Partitioned multi-application service, modular software downloads, Software Development Kit, TCP/IP protocol with PPP access, EMV level 2 library

Operating Environment

- +5°C, +40°C
- 50 à 90% relative humidity without condensation

Size and Weight

- 265 x 129 x 106 mm
- 880 g (including paper roll)

* In° 87126

All features and specifications are subject to change without notice.

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Your Dealer

(1) EMV : Europay International - Mastercard International - VISA International

(2) From 2 to 4 connectors for SAM microcards

(3) Optional second smart card reader

(4) Plus 6 optional menu keys

THALES

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