

XENOA ECO

innovation without PIN

XENOA ECO is a vandal-proof terminal for use in unattended indoor and outdoor environments for e-purse or low-value payment without PIN: ticketing kiosks, parking meters and vending machines.

The XENOA ECO is an intelligent hybrid card-reader for both chip- and magstripe-cards, featuring onboard Ethernet and serial interfaces. Its metal bezel vouches for your protection against vandalism and fraud attempts.

The reader can be integrated with a separate display and keyboard.



Vandal-proof

With its impact-resistant metal bezel, XENOA ECO is weatherproof and tamper-proof. The transactions are entirely secure thanks to the terminal's dedicated security processor, SSL-encryption, and international and local certifications.

Terminal management

Manage your terminal park with XENTURION, for:

- secured remote software download
- scheduling and parameter management
- remote terminal support and diagnostics
- remote key loading (RKL)

Superior performance

The terminal's System-on-Chip technology hosts a Linux operating system, for unrivalled transaction speed, watertight security and easy development. Power management profiles improve performance and autonomy when relying on solar or battery power.

Affordable

The stand-alone reader promotes secure payment in integrations, at a low Total Cost of Ownership for integrators.

Care for the environment

Like all current Worldline products, the XENOA ECO is manufactured in line with RoHS2 & WEEE standards.

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Specifications

Processor

- 2 x 32 bit ARM processor cores
- Hardware cryptographic accelerators

Memory

- RAM 32 MB, Flash 64 MB

Security

- 3DES, AES and RSA encryption algorithms
- Master/Session and DUKPT key management
- Additional security schemes available
- TLS 1.2

Suspend mode and fast wake-up mode

- Different power management profiles can be used
- Multiple wake-up sources: card insertion, serial port

Approvals

- EMV 4.1 level 1 and 2
- CE, EMC
- PCI PTS 4.x (SRED and Open Protocols)
- Vandal-proof class IK07

Software

- Linux operating system
- Linux-based development kit (C and Java)
- Secure remote download of software

Keypad

- Can communicate with vending machine keypad

Display

- Can communicate with vending machine display

Hybrid manual card reader

- Chip-card and triple-track magstripe reader

Communications

- Ethernet interface (standard)

Peripheral ports

- 1 x vending machine controller (RS232)
- 1 x optional vending machine RS485 peripheral

Operating conditions

- Temperature: operating -20°C to 70°C; storage -25°C to 70°C
- Humidity (non-condensing): operating: 0-90% RH; storage: 0-95% RH

Size and weight

- Dimensions: 159 x 108 x 73 mm (l x w x h)
- Weight: 700 g

Power

- Power supply: 12 V, 1.5 A
- Power consumption in sleep mode 12V, 2mA
- Power consumption in card-reading mode: 12V, 155mA

Integration kit

- Reader compression plate

Additional features

- Hybrid, manual reader (chip-card and triple-track magnetic-stripe)
- Buzzer, optionally usable as speaker
- Safely drains water before entering the device through evacuation wholes

Specific XENOA configurations

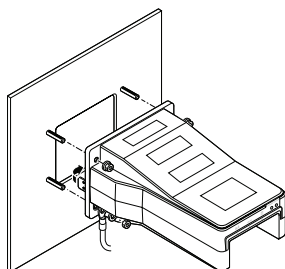
Fraude resistant

Optionally, the XENOA ECO can be ordered with an AFAS (anti-phishing, anti-skimming) ball which protects the device from manipulation.



Development kit

The standard development kit includes a compression plate with screws.



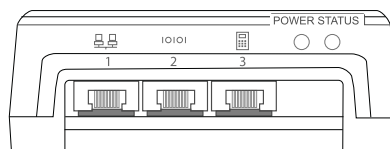
Easy configuration

XENOA ECO can be supplied with a configuration-kit. This kit consists of a service unit with a keyboard and a display, a communication cable and power cable. The service unit makes it easy to diagnose and configure the terminal, during development or in the field.



Easy status check

Dual LEDs at the back provide immediate visual feed-back on the device status.



About Worldline

Worldline [Euronext: WLN] is the European leader in the payments and transactional services industry. Worldline delivers new-generation services, enabling its customers to offer smooth and innovative solutions to the end consumer. Key actor for B2B2C industries, with over 40 years of experience, Worldline supports and contributes to the success of all businesses and administrative services in a perpetually evolving market. Worldline offers a unique and flexible business model built around a global and growing portfolio, thus enabling end-to-end support. Worldline activities are organized around three axes: Merchant Services & Terminals, Mobility & e-Transactional Services, Financial Processing & Software Licensing including equensWorldline. Worldline employs more than 8,600 people worldwide, with estimated revenue of circa 1.5 billion euros on a yearly basis. Worldline is an Atos company.

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