# XENOAECO innovation without PIN

XENOA ECO is a vandalproof 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.



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.



# **XENOA ECO - innovation without PIN**

# **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 IKO7

#### **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 (I 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 tripletrack magnetic-stripe
- · Buzzer, optionally usable as speaker
- Safely drains water before entering the device through evacuation wholes

# Specific XENOA configurations

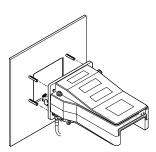
## Fraude resistant

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.



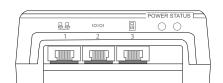
# **Easy configuration**

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 newgeneration 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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