

XENTEO ECO

integrated innovation



Vandal-proof terminal

With its impact-resistant polymer housing and metal keypad, XENTEO ECO™ is weatherproof and tamper-proof. The transactions are secure thanks to the terminal's dedicated security processor, SSL-encryption, and certifications such as PCI-PTS, EMV and CB.

User-centred design

Unattended payment is appealing, thanks to the ergonomic design of the XENTEO ECO with its backlit display and keypad.

Superior performance

Our System-on-Chip technology hosts a Linux operating system, providing unrivalled transaction speed, watertight security and easy development.

XENTEO ECO is a state-of-the-art terminal for use in unattended environments: ticket machines, petrol stations, kiosks, self-service checkouts etc.

Its architecture has been developed to meet the needs of cardholders, integrators, and installation technicians alike.

The secure XENTEO ECO card reader is independent from the XENTEO ECO terminal, offering more versatile options for integration.

With its onboard Ethernet connection and interfaces for ISDN, PSTN, WiFi and GSM/GPRS, XENTEO ECO is the ideal flexible solution for unattended payment.

XENTEO ECO reader

- The XENTEO ECO hybrid manual card reader is separate from the XENTEO ECO terminal, which makes integration easier, and reduces maintenance costs. The card reader is made to last, and is built into a metal bezel and a tamper responsive housing. The secure link between terminal and card reader uses interrupt-based card recognition for real-time feedback to the cardholder when a card is inserted.



To counter fraud attempts, a sophisticated removal detection system places the reader in a tampered state as soon as the contact between the reader and the integration plate is interrupted.

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)

Care for the environment

Like all current Worldline products, the XENTEO ECO is manufactured in line with RoHS2 and 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

SAMs

- 2 SAM slots (type ID O)

Security

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

Approvals

- EMV 4.1 level 1 and 2
- PCI PTS POI 4.x
- SRED, open protocol
- TQM
- CE, EMC
- GIE Cartes Bancaires
- standards-compliant AFAS protection (France) available when ordering
- Protection classification vandal-proof display class IK07, front class IK10

Software

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

Keypad

- Backlit ergonomic keypad
- Dust and waterproof IP 65
- Buzzer, optional use as speaker

Display

- 128 x 64 pixel backlit graphic display
- Anti-reflective and anti-scratch

Hybrid manual card reader

- Chip-card and triple-track magstripe-card reader
- Dimensions: 159 x 108 x 73 mm (l x w x h)
- Weight: 700 g

Communications

- Ethernet interface (standard)
- Optional communication interfaces:
 - 2G: GSM, GPRS, EDGE (850, 900, 1800 and 1900 MHz)
 - WiFi
 - PSTN (dial-up)

Peripheral ports

- 1 x vending machine controller (RS232)
- 1 x printer or other peripheral (RS232)

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: 168 x 110 x 47 mm (l x w x h)
- Weight: 750 g

Power supply

- Power supply: 12 V, 1.5 A
- Power consumption in sleep mode with reader: 5mA
- Power consumption in card-reading mode: 370mA

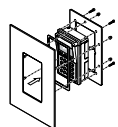
AFAS protection

- The XENTEO ECO is also available with the AFAS (anti-phishing, anti-skimming) ball, which offers the device protection (passive or active) against interference.



Accessories

- XENTEO ECO has a standard Ethernet connection, but can also send transactions to the host through various optional interface boards: PSTN, ISDN, Wireless LAN and GSM/GPRS with external antenna. An interface board can be added at any time by a certified technician.



- The standard integration kit includes a mounting brace with screws for easy integration and a seal gasket to guarantee watertight integration into a kiosk or vending machine.

- A privacy shield is compulsory to comply with international security requirements. Integrators are free to develop their own tailor-made privacy shield or to opt for the XENTEO ECO privacy shield. Compliant with PCI PTS requirements, it is easy to mount, and easy to integrate with the terminal.



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. Worldline employs more than 7,300 people worldwide and generated 1.22 billion euros revenues in 2015. Worldline is an Atos company.



Merchant Services & Terminals

Merchants expect a business partner who understands how they can benefit from technological consumer innovations to enhance the shopping experience, generate upselling opportunities and optimize their commercial process.

We facilitate the consumer engagement with cutting-edge, seamless services for merchants on any device - before, during and after the point of sale - with payment as the "single point of truth". This includes designing services and solutions, as well as implementing these solutions and the day-to-day management of the resulting services on our clients' behalf.

For further information
infoWL@worldline.com

terminals.worldline.com

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