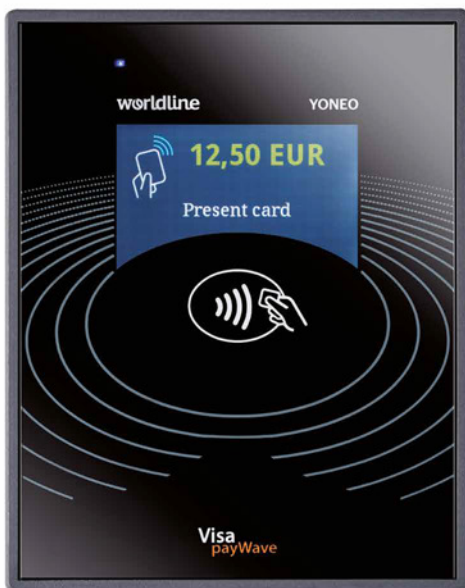


unattended terminals



Key benefits

Security aspects

Security is critical for unattended POS-terminals, because they are in public places and often accessible 24/7. They need to be protected against tampering (fraud) and against vandalism.

All our terminals have a tamper-evident design that makes it easy for the card-holder to spot attempts at fraud. All unattended terminals from Worldline comply with recent national and international security requirements.

User focused

With no cashier available to offer help and advice, unattended terminals have to be exceptionally easy to use. Terminals from Worldline have an outstanding reputation for their intuitive user interface. Clear symbols, coloured keys and easy-to-read displays guide the cardholder through every transaction.

Performance

Our System-on-Chip technology runs a Linux® operating system, offering superb security and a familiar environment for software development teams.

With its powerful dual core processor, the chip guarantees total security and unrivalled transaction speeds

Integration environment

Our range of unattended terminals includes solutions for every demand or integration environment. All the terminals are suitable for use both indoors and outdoors.

XENTIM™
compact EMV chip card reader for no-PIN transactions. Its small display and simple three-key interface make it ideal for integration in vending machines.

XENTEO ECO™
complete EMV terminal with intelligent keyboard, display and hybrid card reader. Designed for kiosk and ticketing applications.

XENOA ECO™
EMV hybrid card reader without display or keypad. Suitable for low-value transactions such as on-street parking.

YONEO™
contactless (NFC) reader - our latest innovation. Can be used as a standalone device or combined with other Worldline unattended terminals.

VALINA™
The next generation compact, convenient, complete VALINA is the first all-in-one Android-based payment terminal for PIN-secured transactions! EVA compliant measurements mean it fits kiosks, vending machines, parking machines and similar applications.

Low cost of ownership

Thanks to their industrial-strength design and robust construction, Worldline terminals handle tens of thousands of transactions without a strain. They offer reliable, long term support for your business activities, reducing development and integration efforts.

Total cost of ownership is further reduced by XENTURION, our optional terminal management system. Managing terminals remotely with XENTURION means increased uptime and fewer field service interventions.

Quality and innovation deliver lasting solutions.

Card types

Unattended terminals from Worldline can be used with all types of card: debit, credit, e-purse, Mifare™, loyalty, prepaid...

Robust and vandal-proof

We use carefully-chosen materials, including stainless steel and specially strengthened plastics, to make our unattended terminals as vandal-resistant as possible. Any attempt to remove or damage the terminals automatically disables them, and destroys any sensitive data.

Our terminals are also designed to be windproof, weatherproof and impact-resistant.

Accessories

Configuration kit

This kit is used to configure and diagnose terminals without display/keyboard during development or after installation. It consists of a service unit with keypad, display, printer, and communication and power cables.

Remote Terminal Management

XENTURION remote terminal management system for:

- Secure software download
- Scheduling and parameter management
- Terminal support and diagnostics
- Remote key loading

More options

- Interface boards for PSTN, ISDN, WiFi, GSM/GPRS including external antenna
- Interface boards can be added at any time by a certified technician



- Privacy shield for XENTEO ECO: PCI PTS compliant, easy to mount and integrate.



VALINA

This all-in-one terminal welcomes cardholders, accepting any method of electronic payment. It makes it easy for merchants to use value-added business applications. It fits any kiosk, vending machine or other housing for EVA-compliant terminals.

- Intuitive and interactive payment terminal
- 3.5", 64K colour, multimedia touchscreen supports PIN entry
- Standard EVA dimensions - easy integration, no removal detection switch
- Accepts any method of electronic payment - contactless cards and devices, chip cards and magstripe cards
- Guided assistance to correct interface for card insertion or contactless tap
- Android-based platform supports value-added business applications

Payment options

- Suitable for payments with or without PIN
- Accepts all forms of electronic payment including EMV
- Supports business developments such as NFC loyalty, couponing, wallets

Multimedia

Maximise interaction and enrich the user experience with:

- advanced audio/video coding
- hardware video decoder with graphical accelerator
- image libraries, touchscreen interaction and multimedia
- moving-image advertising between transactions

Robust and reliable

The tough, impact- and scratch-resistant glass display reduces reflectivity and offers outstanding readability. The terminal is IK 09 and IP 65 certified vandal-proof/water- and dustproof.

Chip-card and magstripe-card readers are selected for proven, long-term reliability.

High security

- Meets the latest hardware and software security requirements
- PCI PTS 4.x certified
- Complies with SRED and Open protocol modules
- Supports point-to-point encryption (P2PE) solutions
- Delivers optimal processor security through ARM TrustZone

Unique features

- Attractive user interface with colour display and software controlled LEDs
- Sleek, modern design
- Easy, flexible integration
- Designed to avoid condensation and water infiltration
- Easy integration and terminal replacement without removal detection switch

Big performance, small footprint

The terminal is powered by a fast processor running Android, delivering unequalled performance and flexibility. This reliable operating system is embedded in many platforms, devices and systems worldwide.

Built-in power management, optimised through proximity detection and external signalling, reduces environmental impact and operating costs.

Terminal management

All standard terminal management services are available via XENTURION, which can also be used to enable new features such as video advertising and multimedia.

Specifications

Processor, o/s and memory

- ARM Cortex A9 main processor (600 MHz)
- Android operating system
- 512 Mbytes RAM, 4 Gbytes Flash

Display

- 3.5", 320 x 480 pixels
- 64K colours, backlit LCD
- Capacitive touch screen

Card readers

- Contactless - integrated antenna around display
- Chip-card reader
- Triple-track magstripe-card reader

Multimedia

- All video formats supported through SDK
- Mono speaker

Video/audio/graphics

- H.263, H.264 and H.265 video codecs
- Supports most common audio formats, including .wav, .mp3 and .midi
- Supports .jpeg, .gif, .png and .bmp image formats

Slots and connectors

- MDB interface (Mini-fit - DC)
- Micro SD
- TTL interface (Micro-fit - IO - DC)
- 2 SAM slots (type ID 0)
- External comm board interface

Size and weight

- Meets EVA CVS standards
- Product dimensions: 85 x 107,5 x 88 (wxhxd)
- Integration dimensions: 86,40 x 108,71 x 110 (wxhxd)
- Weight: 573 g



Front view

Rear view

Operating and storage conditions

- Operating temperature -20°C to 70°C
- Storage temperature -25°C to 70°C
- Operating/storage relative humidity, 5% to 95% RH (non-condensing)

Security & Approvals

- PCI PTS 4.x (SRED and Open Protocols)
- MasterCard TQM
- VISA and MasterCard Level 2
- EMVCo Level 1 contact V4.3
- EMVCo Contactless V2.5
- Directives 1995/5/CE, 2004/108/CE, 2006/95/CE
- Environmental directives Reach, RoHS 2, WEEE
- FCC
- CE

Other country-dependent certifications are available. This list is not exhaustive.

Connectivity/communications

- USB 2.0 device
- USB 2.0 host
- Ethernet 10/100 and RS232 built in

Power supply

- 12 VDC, 2A via Micro-fit
- 24 - 45 VDC via MDB
- 12 VDC, 2A via serial

Power profiles

- Active
- Stand-by
- Deep sleep

Buttons

- Reset and Menu buttons at the back

XENTEO ECO

User-centred design

The energy-efficient XENTEO™ ECO is a complete self-payment solution. Its low power consumption, clean lines, well-designed intelligent keypad and backlit display make it a pleasure to use.

Everything about the XENTEO ECO puts users first, whether they are cardholders, integrators or technicians. Accessible connectors and compact design make it easy to install and maintain. The card reader component can be placed alongside the keypad, above it or below it.

With Ethernet connectivity built in and a range of other options available, XENTEO ECO is the ideal flexible solution for unattended payment environments.

Options and accessories

Optional interface boards for GPRS, WiFi or PSTN (dial-up) communications, with external antenna where needed, let you add communications possibilities to your XENTEO.

The standard integration kit includes a mounting brace with screws and a watertight gasket.

The XENTEO privacy shield is easy to fit, integrates perfectly with the terminal, complies with all PCI PTS requirements and helps meet any local requirements. Integrators may choose to offer their own solution.

On request, both keypad and card reader can be delivered with extra anti-skimming measures.

A contactless reader for NFC cards and devices is available.

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 & WEEE standards.

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
- 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
- Compliant with AFAS standards (France)
- Vandal-proof display class IK07, front class IK10

Software

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

Keypad

- Backlit ergonomic keypad
- Dustproof and waterproof (class IP 65)

Display

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

Hybrid manual card reader

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

Communications

- Standard Ethernet Interface
- 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

- Intelligent keypad: 168 x 110 x 47 mm (l x w x h); weight 750 g
- Reader: 159 x 108 x 73 mm (l x w x h); weight 700 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

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



XENOA ECO

The energy-efficient XENOA™ ECO is a vandal-proof terminal for e-purse or low-value payments without PIN: ticketing kiosks, parking meters and vending machines.

Consisting of a secure and intelligent hybrid card-reader for chip- and magstripe cards, XENOA ECO features onboard Ethernet and serial interfaces. Its metal bezel vouches for your protection against vandalism and fraud attempts.

XENOA ECO is one of the first PCI PTS 3.1 (SRED) certified devices in the non-PED category.

The XENOA ECO can be integrated with a range of other equipment for enhanced interaction with cardholders: vending machine display and keypad, virtual keypad, Worldline contactless reader...

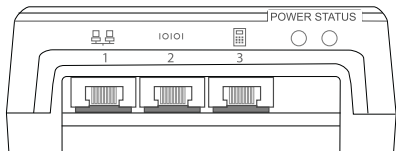
Unique features

AFAS ball

The XENOA ECO can be supplied with an AFAScompliant skimming deterrent.

Status LED

A LED at the back provides immediate visual feedback on the device status.



Contactless reader

Contactless NFC reader optionally available.

Low power consumption

XENOA ECO is the perfect solution for integration in solar-powered kiosks, thanks to its extremely low power-consumption – 2mA in sleep mode.

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 XENOA ECO is manufactured in line with RoHS2 & WEEE standards.

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

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

Display

- Can communicate with vending machine display

Hybrid manual card reader

- Chip-card and triple-track magnetic-stripe reader

Communications

- Standard Ethernet Interface

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

Development/integration kit

- Reader compression plate



YONEO

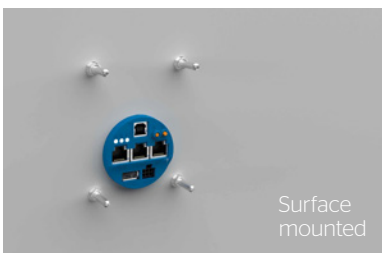
YONEO™ is a robust contactless payment terminal for NFC payments with and without PIN: ideal for applications such as ticketing kiosks, parking meters and vending machines.

YONEO is an intelligent NFC reader for EMV, Mifare and other cards. Its smart design and optional backlit TFT colour display make for an enjoyable payment experience. Small footprint* plus onboard Ethernet and serial interfaces make integration in the vending machine simple and intuitive.

PCI PTS certified, the YONEO is built to resist vandalism and fraud attempts.

Unique features

- Attractive user interface with backlit logo, backlit TFT colour display and software-controlled LEDs
- Elegant and ergonomic design
- Easy, flexible integration in a kiosk
- Surface mounted or built-in configurations for high integration versatility.



LEDs and buttons

- Three LEDs at the back provide immediate visual feedback on the device status
- Two technician buttons to reset and wake up the terminal

Optional cables and accessories

- MDB cable, GSM/GPRS card, external antenna and 3G card

* EVA-CVS standard compliance

Versatility

Even the built-in configuration of the YONEO takes up almost no space inside the vending machine: compare this with the footprint of a bank note acceptor (BNA) or coin detector. The contactless reader can be used by itself, or combined with any other Worldline unattended terminal. Typical scenarios for NFC include:

- Vending machines (drinks & snacks)
- Petrol stations and power meters
- On-street and off-street parking
- High-end kiosks (combined with XENTEO intelligent keypad)

Specifications

Processor

- Dual ARM™ 9 processor cores
- Superior cryptographic accelerators

Memory

- 64 MB RAM, 128 MB Flash

Security

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

Approvals

- EMV 4.3 level 1 and 2
- PCI PTS 4.x (SRED and Open Protocols)
- TQM
- CE, EMC
- Dustproof and waterproof class IP65
- Vandal proof class IK07 for YONEO with display
- Vandal proof class IK10 for YONEO without display

Software

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

Suspend and fast wake-up modes

- Different power management profiles can be used
- Multiple wake-up sources

Display

- 320 x 240 pixels colour TFT display (64K colours)
- Also available without display

Accepts following cards

- EMV, Mifare classic/Desfire
- Contactless cards (ISO14443, type A/B)

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 YONEO is manufactured in line with RoHS2 & WEEE standards.

Communications

- Ethernet interface (standard)
- GSM GPRS / 3G interface

Peripheral ports

- 1 x vending machine controller (RS232)
- 1 x vending machine controller (USB device)
- 1 x USB host interface
- 1 x optional MDB interface peripheral
- 2 SAM slots (type ID O)

Operating conditions

- 2 SAM slots (type I/O)
- 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

- Meets EVA CVS standards
- Dimensions: 107,5 x 85,4 x 23 mm (l x h x d)
- Weight: 200 g

Power supply

- Power supply: 12 V, 1.5 A via Micro-fit or RS232
- Power consumption in sleep mode: 12V, 2mA
- Power consumption in card-reading mode: 12V, 155mA



XENTIM

XENTIM™ is the terminal for low-value payments without PIN, in applications such as drinks machines and snack vending machines. Perfectly designed for its job, XENTIM is a robust terminal that supports simple customer interaction and feedback.

Unique features

With a casing depth of only 100 mm, the compact XENTIM takes up very little space inside the vending machine.

Cards, not coins

Customers frequently mistake the card slot of a payment terminal for a coin slot. XENTIM handles this by including a small tray to catch coins. The tray is easy to reach, and saves the card reader from getting jammed.

Water evacuation

The XENTIM is specially designed for outdoor integrations. Water evacuation holes on the front panel keep water away from the chip-card reader and out of the vending machine, and the internal PCBs are tropicalised.

Focus on the user

The interface design is simple and self-explanatory: cardholders lose no time wondering how to use the terminal, so transactions are quick and easy.

Display: up to 16 alphanumeric characters, enough to display the amount and a short prompt such as OK.

Keys: three clearly labelled, coloured keys for Stop, Information and OK.

Card Reader: a small white arrow on the card slot shows how to insert the card. The same white arrow is also present on chip cards.

Vending interface

Built in to a vending machine, XENTIM supports a range of transactions including top-up of prepaid cards, multi-vending, client payment confirmation and cancellation. Secure transactions are guaranteed by the terminal's dedicated security processor.

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)

Specifications

Processor

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

Memory

- 32 MB RAM, 32 MB Flash

Security

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

Approvals

- EMV 4.3 level 1 and 2
- CE, EMC
- EN60950

User interface

- Display: monochrome, 1 line and 16 characters
- Stop, Info/query and OK keys

Card interface

- Chip-card interface

Communications

- Ethernet RF45 8P/8C (10 Mbit)
- External modem RJ11 6P/6C
- 2 SAM slots ID O

Peripheral ports

- 1 x vending machine controller (RS232), also used for power supply
- 2 RS controller (standard)

Care for the environment

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

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

- Front panel: 105 x 105 x 100 mm (l x w x h)
- Weight: 400 g

Power supply

- Power adapter: 6.3-12 VDC
- Minifit (MDB): 40 VDC

Optional accessories

- External power adapter
- MDB connector and cable
- EVA-CVS integration kit



