

# YONEO

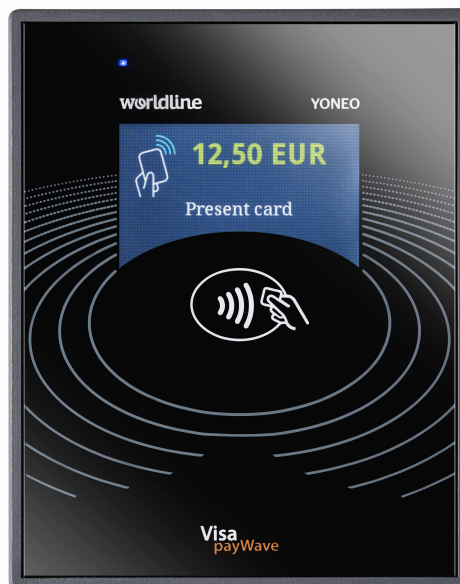
## contactless vandal-proof innovation

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.

\* 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)

### 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)

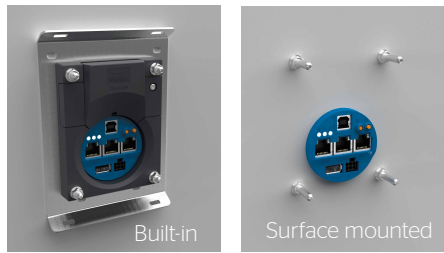
### Care for the environment

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

# YONEO - contactless vandal-proof innovation

## 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

## 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)

### Communications

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

### Peripheral ports

- 2 SAM slots (type ID O)
- 1 x vending machine controller (RS232)
- 1 x vending machine controller (USB device)
- 1 x USB host interface
- 1 x optional MDB interface peripheral
- I/O available (1 out, 2 in)

### 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

- 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 Microfit or RS232
- Power consumption in sleep mode: 12V, 2mA
- Power consumption in card-reading mode: 12V, 155mA

## About Worldline

Worldline [Euronext: WLN] is the European leader in the payment and transactional services industry. With innovation at the core of its DNA, Worldline's core offerings include pan-European and domestic Commercial Acquiring for physical or online businesses, secured payment transaction processing for banks and financial institutions, as well as transactional services in e-Ticketing and for local and central public agencies. Thanks to a presence in 30+ countries, Worldline is the payment partner of choice for merchants, banks, public transport operators, government agencies and industrial companies, delivering cutting-edge digital services. Worldline's activities are organized around three axes: Merchant Services, Financial Services including equensWorldline and Mobility & e-Transactional Services. Worldline employs circa 11,000 people worldwide, with estimated pro forma revenue of circa 2.3 billion euros on a yearly basis. Worldline is an Atos company.

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