

XENTEO

Innovation integrated



User-centric design
Flexibility in integration
Ruggedized terminal
Universal solution
Total security

*ban*ksys
end-to-end transactions

XENTEO



XENTEO® is the **universal unattended payment solution** for virtually any application, in any type of environment: vending machine, kiosk, petrol station, or self-check-out. The terminal introduces a **user-centric design** that promotes self-payment to the cardholder through its ergonomic design, back-lit display and keypad.

The high-impact-resistant polymer technology, combined with metal keypad, creates a **ruggedized** terminal that withstands tough outdoor conditions. **Ease of installation** and maintenance is assured through accessible interfaces, intuitive guidance and compact design. With its on-board Ethernet modem and interfaces for ISDN, PSTN and GSM/GPRS, XENTEO is the ideal **flexible** solution for unattended payment. **Unmatched performance** is guaranteed by Banksys' System-on-Chip technology, hosting a Linux® operating system, ensuring **superior transaction speed, watertight security and easy development**.

XENTEO – The art of smooth payment!

XENTEO specifications

- User Interaction
 - Back-lit ergonomic display: 128 x 64 pixels
 - Anti-reflective and anti-scratch display
 - Back-lit ergonomic keypad
 - Following ADA guidelines
 - Buzzer, optionally useable as speaker
- Application software
 - Embedded Linux operating system
 - Linux-based development kit
 - Native C and Java
 - Secured remote download of software
- Processing capabilities:
 - 2 x 32 bit ARM™ processor
 - 32 Mb RAM, 32 Mb Flash memory
 - Hardware cryptographic accelerators
 - Battery for back-up of RAM and RTC
- Power supply: 12 V, 1.5 A
- Interfaces for:
 - Vending machine controller (RS232)
 - Additional RS232 for printer or other peripheral
 - Reader
 - Ethernet: TCP/IP connection over a LAN network
 - Microfit connector for peripheral or power supply
 - Earth connection
- Security Application Modules (SAM): 2 slots type ID 0
- Integration kit:
 - Mounting brace for easy integration
 - Seal to guarantee watertight integration
- Dimensions: 168 x 110 x 46 mm (h x w x d)
- Weight: 750 gram

Hybrid manual reader specifications

- Security: encrypted link to main module and mutual authentication
- Chip-card interface
- Triple track magnetic stripe reader ISO 1/2/3
- Dimensions: 72.5 x 108 x 159 mm (h x w x d)
- Weight: 700 gram

Environmental specifications:

- Temperature:
 - operating -20°C – 70°C; storage -25°C – 70°C
- Humidity non-condensing:
 - operating: 0 – 90% RH; storage: 0 – 95% RH
- IP 65 for the terminal
- Vandal proof class IK07
- RoHS Directive 2002/95/EC
- WEEE Directive 2002/96/EC

Approvals

- EMV level 1
- EMV level 2
- PCI PED
- CE

Security

- 3DES, AES and RSA encryption algorithms
- Master/session and DUKPT key management
- Additional security schemes available
- SSL enabled

Accessories

- Communication cards
 - PSTN: dial-up modem up to 57,6 Kbps
 - ISDN: TCP/IP protocol (PPP) over B-channel, X.25 protocol over B- and D-channel
 - GSM/GPRS: tri-band (900/1800/1900 or 850/1800/1900), external antenna, SMS capability
- Privacy shield
- Development kit & debug interface
- Specific conversion cables and power adaptor



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