



Banksys new product Xentissimo is a mobile payment terminal which incorporates the connectBlue WLAN solution.

Reference Application

Wireless LAN in point-of-sales applications

Belgian based Banksys is a specialist in end-to-end secure payment systems and applications. Security is their highest priority at every stage - from the retail terminal to the central server (HOST).

Mobile and wireless

Banksys' mobile payment terminal Xentissimo is compact, lightweight, and portable, which makes it optimized for user interaction and long lifespan.

With its wireless LAN and GSM/GPRS communication interfaces, Xentissimo is aimed at secure on-the-road transactions, in-store promotion sales, the hospitality sector, and other mobile applications. The wireless LAN solution stems from the NXP chipsets BGW200 which is the vital part of the OWLAN211b module.

Single chip solution

Xentissimo is powered by System-on-Chip technology with a dual-processor/single-chip solution resulting in high transaction speed and state-of-the-art payment security.

The Xentissimo terminal hosts a full-featured eCos operating system.

Awarded solution

Trustable, durable, easy to use and carry along, the Xentissimo terminal has been awarded First Prize in the category 'Most Innovative Terminal Solution launched in 2005' by the European Payments Consulting Association.

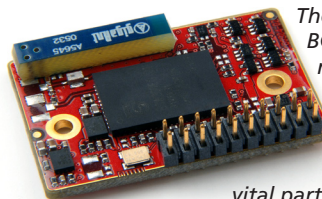
"Banksys looked for a competent partner that could aid in designing the wireless LAN solution and found the partner in connectBlue." says Peter Timmermans, New Technologies Consultant of Banksys. "connectBlue has the know-how and exper-

tise that guided us when making a robust and secure end-user product."

WLAN requirements

For the WLAN connectivity, the NXP chipsets BGW200 – which is the vital part of the OWLAN211b – is implemented providing the following features:

- Software driver available or adaptable for any device
- Bluetooth co-location with PTA (Packet Traffic Arbitration) support
- Radio type approved for Europe, US and Canada
- Compliant with EMC standards
- Industrial temperature range -30 to +85C
- No host processor load
- Low power requirements
- Compatible with connectBlue Bluetooth® modules
- Supports security features WEP64, WEP128, WPA, WPA2 (TKIP/PSK)
- Quality of Service: 802.11e and WMM
- Ad-hoc and infrastructure mode
- Internal or dual external antennas



The NXP chipsets BGW200 is implemented in the Banksys application. The NXP chipsets BGW200 is the vital part of the wireless LAN OWLAN211b module from connectBlue.

About connectBlue

connectBlue is a leading provider of wireless solutions for demanding applications in segments like industrial automation, medical, instrumentation, diagnostics, logistics / transportation, vehicles and point of sales. Based on Bluetooth technology WLAN and ZigBee, connectBlue provides ready-to-use products and modules as well as custom design solutions in both hardware and software. www.connectblue.com

