dione

hand in hand with your customers

the new **Dione Xplorer**™
bluetooth enabled portable payment terminal

dione

the new Dione Xplorer™

Portable

Class 1 Bluetooth wireless technology opens up new opportunities for points of sale - at the table, in the queue, on the street, even at your door!

Secure

Designed using Dione's latest SecuraCell™ technology and compliant with worldwide offline PIN entry security standards, such as Visa PED, Interpay, ZKA and APACS Common Criteria.

Versatile

Easily connects to other peripheral bluetooth devices, such as scanners and printers.

Convenient

Lightweight and robust, the Xplorer fits neatly in the hand. A familiar user interface makes entering amounts and PIN's really easy.

Affordable

Designed to be affordable from the start, the Xplorer portable payment solution is accessible to any business.

Base Station

Connects the Xplorer using Bluetooth wireless technology to PSTN or ISDN telephone networks, to an ethernet LAN or to GSM/GPRS mobile networks. The base station can be conveniently located to suite a wide range of different installations.

Charging Cradle

A separate charging cradle is used to recharge the Xplorer's internal battery when not in use and provide safe overnight storage.

Powered by Bluetooth®

PIN at the POS

The wireless portability of the Xplorer™ provides the ultimate in flexibility. In restaurants and bars, PIN as the method of payment authorisation is best delivered using a portable payment terminal at the table. Customers do not have to get up and go to the till to enter their PIN and can keep their cards in full view at all times.

In many high street stores and out of town malls, queues form quickly during busy periods. This problem can now be addressed with roving queue-busting personnel equipped with an Xplorer and a Bluetooth barcode scanner. A manager can also increase the number of points of sale at a stroke just by diverting more staff to taking card payment when required.

The Xplorer also opens up new mobile payment opportunities including open air markets, trade fairs, exhibitions, sports stadia and even rock concerts! The Xplorer coupled with a mobile phone enables payment to be taken almost anywhere.

The Xplorer accepts multi-application smart cards, so loyalty points and electronic purse schemes can be handled with ease.

Bluetooth® Class 1 Wireless Technology

This global standard enables the Xplorer to take secure card payment almost anywhere. For pay-at-the-table or in-store applications, where on-line payment authorisation may be required, the Xplorer communicates via a discreet base station, over a range of 100m. To provide optimum coverage in difficult environments, base stations can be easily linked together.

The design and implementation of Bluetooth into the Xplorer has been done in such a way as to protect key data against eavesdropping at all times, thereby ensuring that security remains uncompromised.

Bluetooth is secure with 128 bit encryption and offers options for communicating with other devices such as EPOS equipment, PCs running support services and even bar coding equipment.

For mobile applications such as home deliveries, the Xplorer can request and receieve on-line payment authorisation when required through a Bluetooth enabled mobile phone.

SecuraCell™ Technology

The Xplorer is designed using Dione's latest SecuraCell technology, a tamper responsive security module preventing criminals from hacking into the device. It is EMV level 1 and 2 compliant, fully PIN enabled and certified to the most stringent offline security standards in the world, including Visa PED, ZKA, Interpay and APACS Common Criteria. The Xplorer is also fitted with 3 SAM (Security Access Module) interfaces to enable payment from electronic purse schemes.

Visa PED
Visa's PIN Entry Device offline security requirements ensure protection from liability for merchants in the event of PIN compromise at the point of sale. Significantly the Xplorer has been tested both for Enciphered PIN and Plaintext PIN, a mandatory requirement in many countries.

ZKA
ZKA is the banking regulatory body responsible for all aspects of card payments in Germany and widely recognised for setting the most stringent PIN pad testing standards in the world.

APACS Common Criteria
Common Criteria is an international certification that evaluates the security of IT products and has been adopted by APACS as the standard requirement for PIN entry device testing in the UK. The Evaluation Assurance Level (EAL) is 4+ and represents a high level of confidence in an IT security product or system.

d i o n e

Physical Handset Features

Illuminated card slot
To aid card insertion in badly lit environments.

Backlit key pad
Developed with advice from the RNIB and designed in line with UK DDA requirements the large backlit keys and easy to read legends are exemplary.

Easy to hold and handle
The Xplorer™ is comfortable and easy to hold with sculptured rubberised side grips.

Easy to read display
Backlit 132 x 64 pixel LCD display which is easy to read in any lighting conditions.

Removable, rechargeable battery pack
Intelligent battery management routines ensure increased terminal operating time and long battery life.

Familiar phone like operation
The user interface employs a central navigation key and logical on screen menus derived from best practice in the mobile phone industry. Two extra function keys are also available.

Easy load built in thermal printer
Easy load mechanism makes changing paper rolls quick and hassle free.

Optional RS232 interface
Provides cable connection to a wide range of equipment.

Specifications

Handset
- Incorporating SecuraCell™ technology - an integrated tamper responsive security module compliant with offline Visa PED, Interpay, ZKA and APACS Common Criteria EAL 4+ requirements.
- 32-bit processor running Dione's multi-application Xtra-C interpreter.
- 3 x SAM interfaces in battery pack recess (EMV / ITA compliant).
- 2MB memory.
- Real-time clock.
- Backlit LCD screen 132 x 64 pixel resolution.
- Backlit keyboard configured as 4 x 3 PIN keypad, navigation paddle and 2 further functions keys.
- Track 1 & 2 or track 2 & 3 magnetic card reader.
- EMV 4.0 chip card reader with illuminated card entry slot.
- Removable rechargable NiMH battery pack.
- Class 1 Bluetooth® wireless technology (100m range).
- Optional RS232 interface.
- Fast thermal printer with easy-load paper mechanism.
- Intelligent battery management for increased terminal operating time and battery life.
- Wide range of applications supported - core payment and value added.

Dimensions
- 195(h) x 95(w) x 60(d) mm.

Weight
- 630g.

Environmental
- Temperature: +5C to +40C.
- Humidity: 10% to 90% non-condensing.

Approvals
- EMV 2000 V4.0 Level 1 and 2.
- ISO7816.
- Offline Visa PED, Interpay, ZKA and APACS Common Criteria.
- CE approved.

Base Station
- Class 1 Bluetooth® wireless technology.
- External communications - PSTN, ISDN, Ethernet or GSM/GPRS (from Q4 2004).

Charging Cradle
- Handset charging cradle separate from the base station to allow optimal positioning and ease of use.

Accessories
- Protective cary case for the handset with capacity for a spare paper roll and battery.
- In-car / mains spare battery charger.

Powered by **Bluetooth®**

dione