

**SmartBLUE** is designed to meet the new paradigms of wireless based solutions in particular for the provision of strong authentication to corporate network. It provides a new dimensions to use of technology from wired communication to mobility based platforms. Corporate customers requiring such solution includes Government, Finance, Health, Insurance and Manufacturing. The SmartBLUE is a **portable Bluetooth smart card reader** that can be used with ISO-7816 compliant smart cards.

## Smartcard + Bluetooth Solution makes Better



With a built-in wireless Bluetooth interface for host communication, the SmartBLUE identifies itself and provides Serial Port Profile Services (SPP) with the connecting host.

In addition to the standard Bluetooth passkey and authentication, the SmartBLUE establishes another secure communication session for encrypted command and data transfer with the connecting host using Advanced Encryption Standard (AES).

SmartBLUE operates via asynchronous serial communication at the low-level device interface and offers device drivers to support high-level PC/SC APIs for ease of integration with existing solutions and scalable development for new applications.

### SmartBLUE™ Features

- Secure data transfer in addition to the standard Bluetooth protection
- High level key management and encryption process with new session key
- Seamless application integration and development supported with Microsoft PC / SC
- Ease of deployment based on Bluetooth Serial Port Profile (SPP)
- Supports for use with Microsoft Windows Mobile 5 & 6, JavaME on Symbian, Android 1.6 & above etc
- Transparency device operation without special user intervention
- User friendly operation with audible and visual notification
- Firmware upgradeable
- Optional key management support
- Visually aesthetic which can be worn via a lanyard

# SmartBLUE™ Product Specification

## **Smartcard Standards**

ISO 7816  
PC/SC supported

## **Encryption**

AES 256-bit session key

## **Operating Speed**

Typical transfer cycle time < 1 sec

## **Bluetooth Transceiver**

Class II

## **Weight**

80 gm

## **Size**

102mm x 68.5mm x 16.5mm

## **Temperatures**

Operation: 0 to +50 °C Indoors  
Storage: -20 to +70 °C Indoors

## **Operating Humidity**

10% to 90% RH non-condensing

## **Battery**

Replaceable lithium-ion battery, 3.7V

## **Battery Charger**

Built-in Li-ion battery charger

## **External Power Adaptor**

5V +/- 5% regulated power adaptor 500mA or higher



Note :