

BLUEFiN

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 BLUEFiN is a **portable Bluetooth Fingerprint Reader** that can be used to support the current biometric solutions.



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

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

BLUEFiN™ Features

- Secure data transfer in additional to the standard Bluetooth protection
- High level key management and encryption process with new session key
- Ease of application integration and development
- Ease of deployment based on Bluetooth Serial Port Profile (SPP)
- Supports for use with Windows Mobile 5 & 6, JavaME on Symbian, Android 2.1 & 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

BLUEFiN™ Product Specification

Fingerprint Sensor

Upek TCS1 TouchChip Silicon Fingerprint sensor, 18.0mm x 12.8mm sensor surface, 256 x 360 square pixels, +/- 15kV ESD resistance

Encryption

AES 256-bit session key

Operating Speed

Typical fingerprint capture and transfer cycle time < 6 secs in good communication environment

Bluetooth Transceiver

Class II

Weight

100 gm

Size

102mm x 68.5mm x 18mm

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 :