



Solus Enrollment Kits



ready to enroll?



Smart Card & Biometric Personalization

Quality enrolment is base of any biometric system deployment. The Solus Enrolment Kits comprising of Solus Enrolment and Terminal Management System Software are fast, full - featured, easy - to - use PC fingerprint management solution designed to improve enrolment in physical access control systems using PC Based (USB/Serial) biometric /Smart card Modules.

The software allows you to capture fingerprints locally, check them for quality & duplication at enrolment, and distribute them to Solus ID terminals using standard Ethernet communications, you can also write enrolment data to smart contact less cards, and manage card security keys.

Key Features

- Enrollment of One or Multiple (4+4+2) Fingers each user.
- Finger Selection for Enrollment.
- Duplicate search during enrolment.
- Templates grouping & reader wise allocation.
- Restores templates with grouping on reader replacement.
- Quality enrolment by consolidation of three images.
- False Acceptance / Rejection rate tuning.
- Live controls for finger positioning & image quality during enrolment.
- Sectors - Blocks selection for card writing.

Biometric & Smart Card Modules

TBSE 13 Compact Finger Enrollment Readers

A compact optic biometric trusted device with enhanced security features. The surface of the scanner is designed to optimize fingerprint reading. Ideal for most low volume enrolment applications in controller environment.

Technical Specifications

Sensor	Thin optical sensor
Resolution	500 dpi @ 8-bit per pixel
Active area	13mm x 20mm
Processor	Powered by an ARM9TM family CPU core
Interface	USB 1.1 and 2.0
Operating System	Windows® 2000, XP and 2003 server
Quality Standard	ISO19794 Part 2 Format

Biometric Features

- 1:1 Verification
- Verification time < 0.8s
- Identification time < 1s
- Tunable false acceptance rate



TBSE 3 / 13-02 : Heavy Duty Finger Enrollment Reader Based on a high end optical sensor and on the world - wide recognized SAGEM algorithms, it is the most convenient biometric peripheral for a wide range of applications. The imaging technique of sensor optimizes the image quality during acquisition and pre-processing. The Embedded software performs all the necessary functions for template extraction (processing of a fingerprint image) and fingerprint authentication or identification. This is best suitable for High usage or Tough environment.

TBSE 13-10 Technical Specifications

Capture Area	Plain live scan capture(4-4-2)
Capture Mode	Auto capture with built-in quality check (incorporates NIST quality considerations)
Fingerprint Sensor	High End Optical Sensor
Resolution	500 dpi (Horizontal & Vertical)
Acquisition Area	78mm x 89mm
Interfaces	USB 2, USB-IF certified
Processor	Powered by ARM 9TM Family
Capture Mode	Auto Capture & Plain Live
Complaint	RoHS
Standards	ISO 19794-4
Frame Rate	>3 frames/Sec
Minutia Extraction Algorithm	Minex Compliant
Power	Through USB
Image Acquisition	Setting level 31 & higher
Images	Raw, PNG, WSQ, JPEG 2000 Loss less



Environmental Specifications:

Operating Temperature	0-50 deg C
Humidity	10% - 90%
Protection Rating	IP 54

CPK - SC 01 Smart Card Personalization Kit

The Smart Card Reader / Writer is a dual interface PC linked reader that will read / write to both a 13.56 MHz RFID contact less smart card. The Smart Card Reader allows user to experience the convenience, speed and security of contact less technology for applications or to secure storage of user names, passwords and personal information.

Technical Specifications

Host Interface	USB 2.0 CCID1 (also supports 1.1)
Transmission speed	12 Mbps
Power supply	Bus powered
Support	PC/SE Driver and CT-API Driver Support Windows XP / 2000 / 2003 / Vista with upgrade ability with future versions

Contact Smart Card Interface

- High performance smart card interface (up to 420 Kbps when supported by card)
- Smart card clock frequency up to 8 Mhz
- Supports 5V, 3V, and 1.8V smart cards
- Supplies 60 MA current to power the smart card
- Smart card movement detection with auto power-off
- Automatic detection of smart card type
- Short circuit and thermal protection

Contactless Smart Card Interface

- ISO 14443 A, ISO 14443 B
- 13.56MHz contactless Mifare Classic smart card
- Single LED status indicator(green & red = busy)
- Light base with adapter for horizontal or vertical positioning, plus attachment pad for mounting the reader (i.e., on a monitor)

TBSE 13-Gen2 RFID TAG Encoder for Vehicle Pass Issuance

Protocol	EPC Class 1 Gen2 (ISO18000-6C), ISO18000-6B
Work Frequency	Standard ISM 865-868MHz
Power Output	0-30dBm(adjustable)
Antenna Built-in	2.5dBm
Interface	TCP/IP, USB
Read Range	0-300 mm
Write Range	0-100 mm
Activity Mode	Buzzer and Led
Input Power	DC 6v (Power Adapter) or powered by USB
Dimension	160 x 110 x 40mm indicative only
Operation Temp	-25°C~+60°C
Storage Temp	-25°C~+80°C
Humidity	80%
Regulatory	Compliant with CE, FCC

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