

# SD300 Integrated Attachment

SD-300 series

The new SD300 (2-in-1) integrated attachment by POSIFLEX features a USB MSR with an optional DigitalPersona U.are.U biometric fingerprint sensor. Combined with the Hybrid POS HT series touch terminal, the SD300 provides either a two-track or three-track MSR, with or without the fingerprint module. The fingerprint sensor can be added at a later date, in the field, by replacing the blank faceplate with one that contains a U.are.U fingerprint sensor. A single USB connector accommodates both devices thereby preserving an additional USB port for other peripherals. The sensor will be shipped with either a Gold or Platinum DigitalPersona driver.

## Key Features:

- Optical Finger Print Sensor in USB Interface
- ISO 7811 Magnetic Stripe Reader in USB full speed HID interface
- Options for MSR heads covering two and three track option
- Three track type MSR can read also AAMVA and CA DMV card
- Total power consumption: 300mA@5VDC



## Specifications:

### ► MSR (Magnetic Stripe Reader)

The MSR in SD-200 reads an ISO magnetic stripe card without driver. It connects to the host through USB interface. There is a "POSIFLEX USB MSR Manager" program provided to control some parameter configuration for this MSR. The features controllable in this program covers each track enable/disable. The function for enabling each track of course comes in effect only when the track is physically available. There are three reader head options applicable to MSR in SD300 Jumper security setting. The reader can be possible configurations in ISO standard (track 1&2, 2&3).

### ► Biometric Fingerprint Module Sensor:

The finger print sensor software does not stores fingerprint images but creates a fingerprint template, which is a highly compressed and digitally encoded mathematical representation of fingerprint features. This template is created when a user registers a finger and is stored in an encrypted file. When the user later touches the fingerprint reader to authenticate, a new template is created and compared to the "registered" template. If there is a match, the authentication is successful.

Sensor activation: There will always be a red light from the sensor to detect the presence of a finger when the sensor is activated.

Sensor Option:

<b>DigitalPersona U.are.U Biometric Fingerprint Sensor</b>
Module: U.are.U 4000
Software Development Kit: DigitalPersona's U.are.U Integrator Gold / Platinum SDK enables developers to add the power of fingerprint authentication security to their networked applications.
O/S support: Windows 98, ME, NT4.0, 2000, XP
Website: <a href="http://www.digitalpersona.com">http://www.digitalpersona.com</a>



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U.are.U 4000  
finger print sensor

## ► About U.are.U 4000 Fingerprint Module

The U.are.U 4000 module is a small fingerprint scanner designed for integration into OEM equipment where fingerprint authentication is needed. This self-contained modulated optically captures and records the fingerprint image when the user universally acknowledged to deliver the highest quality fingerprint images, as well as being cost effective and highly reliable.

The U.are.U 4000 module is designed to simplify OEM integration. The module is sealed from dust and it includes convenient mounting features. The on-board electronics automatically control calibration, image encryption, and data transfer over USB.

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DigitalPersona's award-winning fingerprint match algorithm, U.are.U applications, and developer tools make it easy to incorporate this fingerprint recognition module into your solution.

## ► Software Development Kit Details:

DigitalPersona Software Development Kits (SDK)	DigitalPersona Integrator Packages
<ul style="list-style-type: none"><li>● <u>DigitalPersona Platinum SDK</u> The DigitalPersona Platinum SDK enables developers to add the power of fingerprint authentication security to their networked applications. DigitalPersona Platinum SDK exposes a set of controls which enable developers to access fingerprint capture, template storage, and template matching.</li><li>● <u>DigitalPersona Gold SDK</u> DigitalPersona Gold Software Development Kit (SDK) enables developers to add the power of DigitalPersona fingerprint authentication security to their Windows applications. The toolkit includes header files that define the ANSI C-based API, wrappers for Java, sample code for Visual C, Java, C++ 6.0, and the DigitalPersona Identity Engine. The DigitalPersona Gold SDK only supports the DigitalPersona U.are.U Fingerprint Readers</li></ul>	<ul style="list-style-type: none"><li>● <u>DigitalPersona Platinum Integrator Packages</u> DigitalPersona Platinum Integrator Package consists of the DigitalPersona award-winning U.are.U Fingerprint Reader, DigitalPersona Identity Engine and Platinum Integrator Software. This software allows our fingerprint reader to work with applications that were developed using the DigitalPersona Platinum SDK.</li><li>● <u>DigitalPersona Gold Integrator Packages</u> DigitalPersona Gold Integrator Package consists of the DigitalPersona award-winning U.are.U Fingerprint Reader, DigitalPersona Identity Engine and Gold Integrator Software. This software allows our fingerprint reader to work with applications that were developed using the Gold SDK.</li></ul>



Please contact your POSIFLEX representative for more details.

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