Optical Fingerprint Reader

This compact optical fingerprint reader from TDSi offers users a versatile biometric solution. Featuring an industry standard Wiegand output it is able to be connected to the majority of access control panels. It also has a large memory capacity allowing the storage of up to 9,000 user templates.

Overview of the Fingerprint Reader

Features

- High-speed matching algorithm

- Large memory capacity

- Ergonomic finger location guide

- Wiegand output allowing direct connection to access control panel

- Wiegand input port for connection of an external reader

- High resolution 500 dpi optical fingerprint sensor

- +/- 90° finger presentation plane

- Sensor has a 15 kV electrostatic discharge resistance

- RS-232, half or full duplex RS-485 connection between readers and host PC

Benefits

- Fingerprint is captured and compared in a small amount of time, maximising user convenience

- Memory stores up to 9,000 user templates

- Comfortable to use

- Versatile in that the reader can be connected to the majority of existing access control panels

- Allows you to add user verification (card + finger) to the standard reader

- Reduces the problems when trying to enrol and scan smaller fingers

- Finger can be presented without problems over a wide angle

- Increased protection against the damaging effects of static

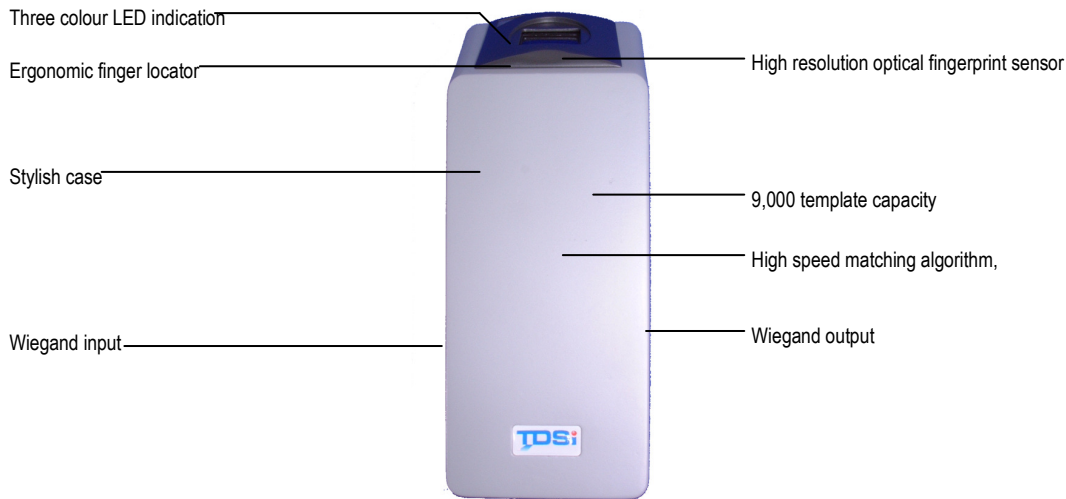- Allows a choice of communication methods

TDSi Fingerprint Reader

TDSi
ACCESS EVERYWHERE

Optical Fingerprint Reader

Three colour LED indication

Ergonomic finger locator

Stylish case

Wiegand input

High resolution optical fingerprint sensor

9,000 template capacity

High speed matching algorithm,

Wiegand output

Technical Data

Dimensions	53 x 140 x 50 mm
Weight	400 g
Operating environment	5 °C to +40 °C, 5 to 95 %RH (non-condensing)
Power supply	7 to 14 VDC, 250 mA peak
Sensor Type	Optical
Sensor Resolution	500 dpi
Identification Time	<1 second (1 to 1000)
Enrolment Time	1 second
Equal Error Rate (EER)	<0.1 %
Template Size	384 Bytes
Template Capacity	9,000
Sounder	No
LEDs	Green, Red and Amber
Interfaces	RS-232, RS-485, Wiegand output (for connection to access control unit), Wiegand input (for connection of an external reader)
Host Communications	RS-232 and RS-485 half and full duplex for template distribution and general communications

Ordering Information

Part Number:	Product Description:
5002-0450	TDSi Optical Fingerprint Reader
5012-0108	Desktop USB Fingerprint Enrolment Scanner

TDSi Fingerprint Reader

bsia
british security industry association

Q05134

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