



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 DigiGarde

Features

- High-speed matching algorithm
- Large memory capacity
- Ergonomic finger location guide
- Wiegand output allowing direct connection to access control panel
- 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
- 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

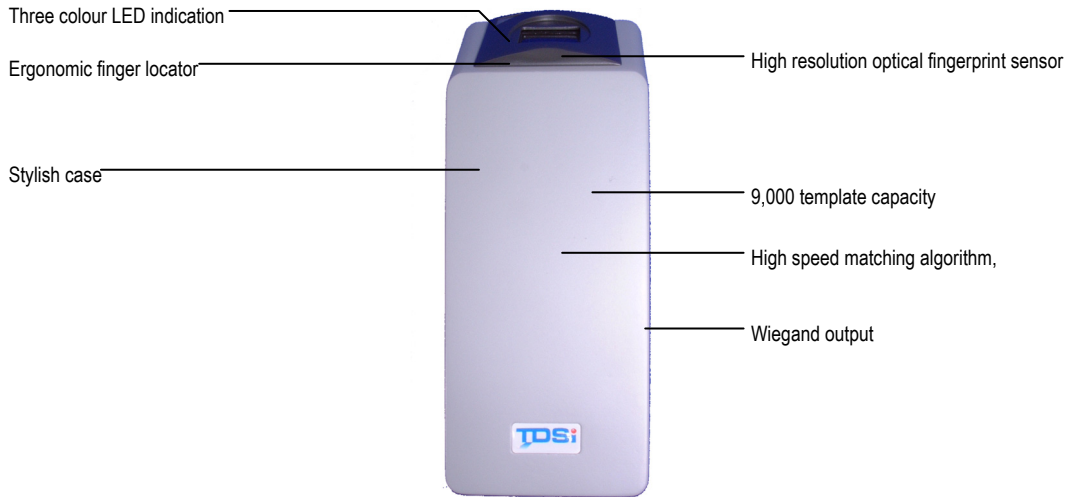
DigiGarde



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Optical Fingerprint Reader



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	10 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)
Host Communications	RS-232 and RS-485 full and half 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

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