DIGIgarde

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..

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SPECIFICATIONS

TDSi Part No.	5002-0450
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 and RS-485 full and half duplex for template distribution and general communications

ORDERING INFORMATION

Part Number: 5002-0450
Description: TDSi Optical Fingerprint Reader

Part Number: 5012-0108
Description: Desktop USB Fingerprint Enrolment Scanner

FEATURES & BENEFITS

High-speed matching algorithm
Fingerprint is captured and compared in a small amount of time, maximising user convenience.

Large memory capacity
Memory stores up to 9,000 user templates.

Ergonomic finger location guide
Comfortable to use.

Wiegand output allowing direct connection to access control panel
Versatile in that the reader can be connected to the majority of existing access control panels.

High resolution 500 dpi optical fingerprint sensor
Reduces the problems when trying to enrol and scan smaller fingers.

+/- 90° finger presentation plane
Finger can be presented without problems over a wide angle.

Sensor has a 15 kV electrostatic discharge resistance
Increased protection against the damaging effects of static.

RS-232, half or full duplex RS-485 connection between readers and host PC
Allows a choice of communication methods.