DIGIgarde Smart 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. DIGIgarde Smart stores the fingerprint template on a MIFARE® smart card allowing users to own their personal data for piece of mind.

Overview of DIGIgarde

Features	Benefits
• High-speed matching algorithm	• Rapid 1:1 verification maximising user convenience
• Template on MIFARE® card	• No templates are stored in the reader
• Bypass card facility	• Enables card only access
• 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 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
• Multi-coloured LEDs and sounder	• Audible and visual feedback to the user on reader and access status

DIGIgarde Smart

DIGIGARDE Smart Fingerprint Reader

- Three colour LED indication
- Ergonomic finger locator
- Stylish case
- Sounder
- High quality pluggable connectors
- High resolution optical fingerprint
- Integral MIFARE® card reader
- High speed matching algorithm
- Wiegand output
- Wiegand input

Technical Data

Dimensions	53 x 140 x 50 mm
Weight	450 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
Enrolment Time	1 second (fingerprint)
Equal Error Rate (EER)	<0.1 %
Template Size	352 Bytes
Template Capacity	Unlimited (template is stored on the MIFARE® card)
Sounder	Yes
LEDs	Green, Red and Amber
Interfaces	RS-232, RS-485, Wiegand output (for connection to access control unit), Wiegand input

Ordering Information

Part Number:	Product Description:
5002-0451	DIGIGARDE Smart Optical Fingerprint Reader
5012-0108	Desktop USB Fingerprint Enrolment Scanner
2920-0232	Desktop MIFARE® Card Read Writer
2920-3000	MIFARE® Card 1K