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PAYMENT SPECIALISTS

Thales Cogent Fingerprint Scanner CSD101i

Identity & Biometric Solutions

Product Description

The Cogent Fingerprint Scanner CSD101i is a single-digit fingerprint scanner that is housed in a durable compact casing. The advanced Thin Optical Touch sensor is immune to ambient light.

Powered by USB 2.0, the connection allows for easy integration with new or existing applications. The durable, lightweight, and ergonomic design allows the CSD101i to be portable without compromising image quality.

Two bright indicator LED lights help users to operate and place the finger at the appropriate time to avoid confusion.

The Cogent Fingerprint Scanner CSD101i supports fingerprint image (raw and FIR: ISO 19794-4) and minutiae (FMR: ISO 19794-2). It can perform on-board processing of the captured fingerprint image, compression of image and encryption of the captured image and extracted minutiae.

FBI PIV-071006 Certified, it is ideal for network biometric authentication, authenticating biometric travel documents, and identity verification.

FEATURES

- 500 ppi resolution
- USB 2.0 interface
- Captures high-quality flat fingerprint images
- Works with dry or wet fingers
- Encryption of captured fingerprint and extracted minutiae
- Quick image capture time: Complete process within 2 seconds, including: capture, template generation, quality check, and encryption
- Fully featured with auto capture and quality control on brightness and contrast
- Support for on-board WSQ compression
- Support for Fake Finger Detection

CERTIFICATIONS / REGULATORY

- FBI PIV-071006
- Mobile ID FAP 10
- CB Certified
- CE and FCC
- Ingress Protection (IP) 54
- WEEE / RoHS
- India STQC
- Mexico NOM (NOM-001-SCFI-1993)

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SPECIFICATIONS

Fingerprint Sensor Type:	Glass-Based Thin Optical Touch sensor
Host OS Compatibility:	Windows® 7, 8, 10, Android, Linux
Active Platen Area:	18 x 12.8 mm
Platen Size:	19 x 13.8 mm
Image size:	256 x 360 pixels
Image Resolution:	500 ppi
Sensor Durability:	9H Hardness
Operating Temperature:	32° to 131° F (0° to 55° C)
Operating Humidity:	10 - 90%, non-condensing
Storage Temperature:	-4° to 131° F (-20° to 55° C)
Storage Humidity:	10 - 90%, non-condensing
Operating Environment:	Indoor / Office
Operating Altitude:	≤ 6,561.68 ft. (2,000 m)
Drop Test:	No hazards after 750 mm drop
Dimensions (L x W x H):	46 x 32 x 15 mm (body only)
Weight:	43 g
Interface:	USB 2.0
Power:	5V DC, 150mA max via USB. (No external power adapter required)
Capture Format:	Single finger flat
Image Capture Time:	≤ 2 seconds
Auto Capture:	Yes
Colour indicator LEDs for Guidance:	Yes

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