Thales Fingerprint Scanner CSD101i

Identity & Biometric Solutions

Product Description

The Thales 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.

User-Friendly Ergonomics

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 3-color indicator LED indicators help users to operate and place the finger at the appropriate time to avoid confusion. The Thales Fingerprint Scanner CSD101i can perform on-board processing of the captured fingerprint image, as well as signing and encryption of the captured image and the corresponding template.

FBI PIV-071006 certified, it is ideal for network biometric authentication, authenticating biometric travel documents, and identity verification per the L1 level specification of UIDAI.

Benefits

- Captures high-quality flat fingerprint images
- Works with dry or wet fingers
- Quick image capture time, process completed within 2 seconds, including: capture, template generation, quality check, data encoding, encryption, and signing
- Fully featured with auto capture and quality control on brightness and contrast
- MOSIP SBI 2.0 compliant FTM for biometric processing, secure key storage and cryptographic operation

Certifications/Regulatory

- FBI PIV-071006
- Mobile ID FAP 10
- CB, CE and FCC Certified
- Ingress Protection (IP) 54 compliant
- WEEE / RoHS Directive 2011 / 65 / EU
- USB-IF
- STQC/UIDAI L1
- Mexico NOM (NOM-001-SCFI-1993)

Technical Data

FINGERPRINT SENSOR TYPE	Glass-Based Thin Optical Touch sensor
HOST OS COMPATIBILITY	• Microsoft Windows® up to Win11 64-bit configuration • Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration • Android
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
SCRATCH RESISTANCE SURFACE	9H Hardness
TEMPERATURE	• Operating: 32° to 131° F (0° to 55° C) • Storage: -4° to 131° F (-20° to 55° C)
HUMIDITY	• Operating: 10 - 90%, non-condensing • Storage: 10 - 90%, non-consdensing
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
ESD PROTECTION	± 8 kV

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