

# Thales Fingerprint Scanner CSD201i Series



## Identity & Biometric Solutions

### Product Description

The Thales Fingerprint Scanner CSD201i series is a single-digit fingerprint scanner available in two form factors – CSD201m as OEM Module and CSD201i as discrete device.

Powered by USB 2.0, the connection allows for easy integration with new or existing applications. The durable, lightweight, and ergonomic design allows the CSD201i devices to be portable without compromising image quality.

3-color indicators LED lights help users to operate and place the finger at the appropriate time to avoid confusion.

The Thales Fingerprint Scanner CSD201i performs on-board processing of the captured fingerprint image, as well as signing and encryption of the biometric element.

It supports anti-latent feature with anti-smudge coating.

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

### Features

- Captures high-quality flat fingerprint images
- 500 ppi resolution - USB 2.0 interface
- Works with dry or wet fingers
- Quick image capture time, with a 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 20
- CB, CE and FCC Certified
- Ingres Protection (IP) 64 (IP67 for sensing area)
- WEEE / RoHS Directive 2011 / 65 / EU
- USB-IF
- STQC/UIDAI L1
- BIS

#### Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable as of the date of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller's and manufacturers' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, special or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

### Specifications

<b>FINGERPRINT SENSOR TYPE:</b>	Next Active Thermal™ sensing
<b>HOST OS COMPATIBILITY:</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows up to Win 11 64-bit configuration</li> <li>• Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration</li> <li>• Android</li> </ul>
<b>SCANNING AREA:</b>	20.32 x 15.34 mm
<b>IMAGE SIZE:</b>	300 x 400 pixels
<b>IMAGE RESOLUTION:</b>	500 ppi
<b>SENSOR DURABILITY:</b>	<ul style="list-style-type: none"> <li>• 9H Hardness; Hydrophobic/Oleophobic Surface:</li> <li>• Contact Angle ≥ 110°</li> </ul>
<b>FINGER TOUCHES:</b>	> 2 million touches
<b>OPERATING TEMPERATURE:</b>	32° to 131° F (0° to 55° C)
<b>OPERATING HUMIDITY:</b>	10 - 90%, non-condensing
<b>STORAGE TEMPERATURE:</b>	-4° to 140° F (-20° to 60° C)
<b>STORAGE HUMIDITY:</b>	10 - 90%, non-condensing
<b>OPERATING ENVIRONMENT:</b>	Indoor / Office
<b>OPERATING ALTITUDE:</b>	≤ 6,561.68 ft. (2,000 m)
<b>DROP TEST:</b>	No hazards after 750 mm drop
<b>DIMENSIONS (L X W X H):</b>	<ul style="list-style-type: none"> <li>• 53 x 33 x 13 mm (CSD201m);</li> <li>• 65 x 37 x 15 mm (CSD201i)</li> </ul>
<b>WEIGHT:</b>	43 g (CSD201m); 51 g (CSD201i)
<b>CONNECTIVITY:</b>	USB 2.0; UART (for CSD201m)
<b>POWER:</b>	5V DC, 150mA max via USB. (No external power adapter required)
<b>CAPTURE FORMAT:</b>	Single finger flat
<b>IMAGE CAPTURE TIME:</b>	≤ 2 seconds
<b>AUTO CAPTURE:</b>	Yes
<b>COLOUR INDICATOR LEDS FOR GUIDANCE:</b>	Yes
<b>ESD PROTECTION:</b>	± 8 kV

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