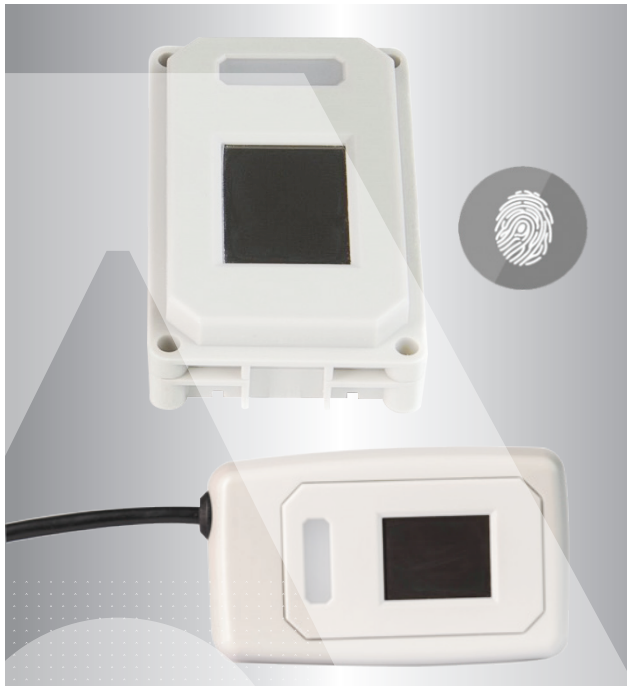


Thales Cogent Fingerprint Scanner CSD201 Series

Identity & Biometric Solutions



Product Description

The Cogent Fingerprint Scanner CSD201 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 CSD201 devices to be portable without compromising image quality.

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

The Cogent Fingerprint Scanner CSD201 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

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

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Specifications	
Fingerprint Sensor Type:	Next Active Thermal™ sensing
Host OS Compatibility:	Windows® 7, 8, 10, Android, Linux
Scanning Area:	20.32 x 15.34 mm
Image size:	300 x 400 pixels
Image Resolution:	500 ppi
Sensor Durability:	9H Hardness; Hydrophobic/Oleophobic Surface: Contact Angle ≥ 110°
Finger Touches:	> 2 million touches
Operating Temperature:	32° to 131° F (0° to 55° C)
Operating Humidity:	10 - 90%, non-condensing
Storage Temperature:	-4° to 140° F (-20° to 60° 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):	53 x 33 x 13 mm (CSD201m); 65 x 37 x 15 mm (CSD201i)
Weight:	43 g (CSD201m); 51 g (CSD201i)
Connectivity:	USB 2.0; UART (for CSD201m)
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

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.