

TouchChip[®] TCS2 Sensor

Silicon Fingerprint Sensor



PRODUCT DESCRIPTION

The TouchChip TCS2 fingerprint sensor offers a medium size capture area for a silicon fingerprint sensor, ensuring reliable biometric performance at a cost effective price. Combining the TCS2 with the Enhanced Image Mode (EIM) technology delivers the same image quality as the FIPS-201 certified TCS1 sensor. When the SteelCoat protective technology is added, the TCS2 delivers excellent biometric performance while providing additional protection for the sensor.

The TouchChip TCS2 sensor provides excellent fingerprint images across a wide range of users, making it a reliable solution for many identity verification applications. It is designed into many logical and physical access control products where the convenience of “touch” and budget are important.

FEATURES

- Most widely deployed silicon touch sensor technology
- Same image quality as larger TCS1 sensor that is FIPS-201 certified
- Ideal for more cost sensitive touch applications
- Small size & low power

ABOUT CROSSMATCH

Crossmatch helps organizations solve their identity management challenges through biometrics. We empower governments, law enforcement agencies, banks, retailers and other enterprises to mitigate risk, drive productivity and improve service levels. Our solutions are built on consultative expertise, refined best practices and the application of advanced biometrics technologies. Crossmatch understands the forces of change in the markets we serve and we develop solutions that anticipate customer requirements. Our network of consultative and technical service experts collaborate with customers in more than 80 countries worldwide.

Learn more at www.crossmatch.com

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SPECIFICATIONS

Medium Capture Area	<ul style="list-style-type: none">• 10.4 x 14.4 mm imaging array size
High Resolution	<ul style="list-style-type: none">• 508 DPI meets FBI iAFIS requirement• 8-bit per pixel grayscale• Up to 12 frames per second capture rate
Interface	<ul style="list-style-type: none">• 8-bit RAM interface• 20-pin 0.5mm pitch flat flex cable connector
Low Power	<ul style="list-style-type: none">• 20mA during capture (typical)• 4.4v to 5.5v (standard image mode, no bezel)• 4.5v to 4.6v (FIPS-201 & EIM mode w/ bezel)
Durability	<ul style="list-style-type: none">• +/- 15 KV ESD (IEC 61000-4-2 level 4)• 2M fingerprint placements (gold)• 4M fingerprint placements (black)
Environment	<ul style="list-style-type: none">• -30 to +85C operating• -40 to +85 storage• RoHS compliant
<i>Data subject to change without notice</i>	

ADVANTAGES

- Active capacitance technology delivers excellent image quality and ability to acquire.
- Enhanced Image Mode (EIM) optimizes image quality over broad range of skin types and capture conditions, plus eliminates latent images during capture.
- TouchChip SteelCoat coating (black) improves ruggedness.

Corporate Headquarters:

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