

TouchChip[®] TCS4K Sensor

USB Silicon Fingerprint Sensor



KEY FEATURES

- USB 2.0 full speed host and EEPROM interface
- Highly durable black SteelCoat coating
- Highly integrated design enables low bill of materials cost
- Internal current limiter, voltage regulator and USB clock generator
- Multiple battery-friendly operating modes
- BGA package

PRODUCT DESCRIPTION

The TouchChip TCS4K Sensor is an enterprise-friendly solution for USB device makers looking to add fingerprint authentication in a power-efficient implementation. The Sensor's wide form factor supports applications requiring excellent usability and accuracy in a cost-effective solution. The sensor also supports additional security features including image data signing, encryption and anti-spoofing.

The TCS4K Sensor is compatible with the TCD58 companion processor which provides additional performance and features, including Power-On Authentication (POA), as well as support for LEDs and One-Time Passwords (OTP).

ABOUT CROSSMATCH[®]

Crossmatch helps organizations solve their identity management challenges through biometrics. Our enrollment and authentication solutions are trusted to create, validate and manage identities for a wide range of government, law enforcement, financial institution, retail and commercial applications. Our solutions are designed using proven biometric technologies, flexible enrollment and strong multi-factor authentication software, and deep industry expertise. We offer an experienced professional services capability to assess, design, implement and optimize our identity management solutions for a customer's individual challenges. Our products and solutions are utilized by over 200 million people in more than 80 countries.

Learn more at www.crossmatch.com

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SPECIFICATIONS

Low Power	<ul style="list-style-type: none">• USB low power device supports selected suspend• Low power consumption for navigation and finger detection
Durability	<ul style="list-style-type: none">• Surface coating is highly resilient, withstanding more than 20 million rubs
Robust Software Application Support	<ul style="list-style-type: none">• Multi-factor authentication – tokens, smart cards, etc.• Broad operating system support including : Windows[®], Linux[®], Win CE, Android[®] and others (may require use of TCD58 companion processor)

FEATURES

Touch Control Conveniences	<ul style="list-style-type: none">• Password replacement• Scroll wheel & rocker switch emulation• Quick application launch• Fast user switching• One-Time Password (OTP) (with optional TCD58 Companion Processor)
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Data subject to change without notice

SUPERIOR TECHNOLOGY

- Advanced technology provides the most accurate fingerprint image
- Anti-spoofing protection
- User navigation features

EASY TO USE

- Able to read a wide range of fingerprints
- Fast swipe speeds
- Rapid response from sleep/suspend states

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