

EikonTouch® 510 Reader

Silicon USB Fingerprint Reader



APPLICATIONS

- Desktop PC security
- Mobile PC security
- Custom applications

FEATURES

- SteelCoat for durability
- Small form factor
- Works well with dry, moist or rough fingerprints
- High quality fingerprint image
- Multiple cable lengths and connectors

PRODUCT DESCRIPTION

The EikonTouch 510 USB capacitive fingerprint reader provides quick and reliable biometric authentication. Our patented technology reaches up into the ridges and valleys of the fingerprint to capture fine print details. The result is the ability to capture a wide range of fingerprints.

Our Digital ID Hardware Engine companion processor enables match-on-device and OTP generation in secure, dedicated hardware.

Designed for use with Crossmatch software, the EikonTouch is also available with a Software Development Kit that provides flexible APIs to enable fast integration with a broad range of applications. Available in multiple cable lengths and connector configurations to meet your use case requirements.

Whether you are an enterprise customer or a system integrator, our biometric identity verification solutions provide a natural extension to your security system and applications.

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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COMPACT FORM FACTOR

Fingerprint Sensor	TCS1S (touch)
Package Size (mm)	84 x 33.8 x 14.3
Scanned Finger Area (mm)	12.8 x 18
Pixel Array Size (pixels)	256 x 360
Weight (g)	74
Cable Length (cm)	50 or 180

HIGH PERFORMANCE

Acquisition Speed	5.5 frames/sec
Image Resolution	508 ppi
Grayscale Image Depth	8-bit (256 levels)
Interface	USB 2.0 full speed (Type A) or Micro USB (Type B)

SECURE

USB Data Encryption	AES-56 (no export restriction) AES-128 (export restrictions)
On-board Data Storage	256 bytes for private data (optional)

RUGGEDIZED

ESD Protection	IEC 61000-4-2 level 4: 15kV air, 8kV contact
Ingress Protection	IP 63 for moisture and dust protection
Operating Temperature	0° to + 40° C
Protective Coating	> 4 million touches
Humidity	5% to 93% RH @ 30° C
Certification	CE/FCC/USB2.0/WHQL

EFFICIENT POWER MANAGEMENT

Power Imaging	~ 120 mA @ 5V
Power Standby	~ 1 mA @ 5V

INTEGRATION EASE

OS Support	Windows [®] XP, Windows Vista [®] , Windows 7, Windows 8, CE, Linux [®] Kernel 2.6 and later, and Android [®] 4.0 and later
Development Kit Options	EikonTouch Reader Developer Kit

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