

EikonTouch® 500 Reader

STQC-certified Silicon USB Fingerprint Reader



APPLICATIONS

- Desktop PC security
- Mobile PC security
- Custom applications

FEATURES

- STQC certified
- Small form factor
- Works well with dry, moist or rough fingerprints
- High quality fingerprint image

PRODUCT DESCRIPTION

The Eikon family of USB fingerprint readers provide 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. The Digital ID Hardware Engine companion processor performs match-on-device and OTP generation in secure, dedicated hardware.

EikonTouch 500:

- Touch sensor ideal for multi-user applications where no user training is required.
- SteelCoat protective coating provides added protection of fingerprint sensor for rugged environments.
- Large image capture area delivers optimal usability.

Eikon fingerprint readers are designed for use with Crossmatch software. Our Software Development Kits offer flexible APIs to enable fast integration with a broad range of applications. 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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EIKONTOUCH 500 (TCRF1S)

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

HIGH PERFORMANCE

Acquisition Speed	5.5 frames/sec
Image Resolution	508 dpi
Grayscale Image Depth	8-bit (256 levels)
Interface	USB 2.0 full speed

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, Windows 10, CE, Linux® Kernel 2.6 and later, and Android® 4.0 and later
Development Kit Options	EikonTouch Reader Developer Kit



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