

EikonTouch

USB Fingerprint Readers



The Eikon family of USB fingerprint readers provides quick and reliable biometric authentication by leveraging proven technology from swipe sensors found in millions of laptops to government certified touch sensors. Software Development Kits (SDKs) offer flexible APIs to enable fast integration with a broad range of applications.

PRODUCTS

EIKON 700

- Touch sensor ideal for multi-user applications where no user training is required.
- FIPS 201 certified image quality for a single finger capture device.

EIKON 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 300

- 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.
- Ideal for cost-sensitive applications that require touched-based authentication.

FEATURES

Proven Technology - The Eikon fingerprint readers leverage the same fingerprint sensor technology embedded in millions of laptops, keyboards, physical access devices and ID card readers relied upon by governments, hospitals, banks and enterprises for secure and convenient authentication every day.

Government Certified - DigitalPersona offers the only silicon fingerprint sensor that is FIPS 201 certified (some models).

Patented Technology - The sensing technology senses a finger's live layer, enabling TouchChip sensors to recognize a wide range of fingerprints.

Compact - Silicon sensing technology enables small packaging.

Secure - The Digital ID Hardware Engine companion processor performs processes such as match-on-device and OTP generation in secure, dedicated hardware. Anti-spoofing technology counters attempts to fool the fingerprint reader.

Easy to Integrate - TouchChip SDKs offer flexible APIs to enable a broad range of applications that work across TouchChip swipe and touch sensors for ease of integration.



SPECIFICATIONS

	EikonTouch 700 TCRF1CA4V6A0	EikonTouch 500 TCRF1SA3W6A0	EikonTouch 300 TCRF2SA3W6A0
Hardware			
Fingerprint Sensor	TCS1C (touch)	TCS1C (touch)	TCS2S (touch)
Size (mm)	84 x 33.8 x 14.3	84 x 33.8 x 14.3	84 x 33.8 x 14.3
Scanned Finger Area (mm)	12.8 x 18	12.8 x 18	10.4 x 14.4
Pixel Array Size (pixels)	256 x 360	256 x 360	208 x 288
Weight (g)	74	74	71
Performance			
Acquisition Speed	5.5 frames/sec	5.5 frames/sec	7.5 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	IP63 for moisture and dust protection		
Operating Temperature	0°C to +40°C		
Protective Coating	> 2 million touches	> 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 Supported	Windows 2000, XP, Vista, Windows 7, 8, CE		
Development Kits Options	PerfectPrint 9.0 or BSAPI 3.5 or higher		



Wholesale Distributor

salesLA@acrosoft.net

www.acrosoft.net

Tel.: 305.477.4674

305.479.2303

Fax.: 305.477.4673

Acrosoft LLC

10800 NW 21 ST Suite, # 150

Miami, Florida 33172

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