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

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, resulting in 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 HID software, the ElkonTouch is also available with a Software Development Kit that provides flexible APIs to enable fast integration with a broad range of applications. Multiple cable lengths and connectorconfigurations are available 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.

SPECIFICATIONS

Product Name	**EikonTouch 510 Reader**
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 dpi
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-256
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	Support for Windows®, Linux® and Android® operating systems
Development Kit Options	DigitalPersona® SDK

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