



# 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 EikonTouch 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 connector configurations 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

<b>Product Name</b>	<b>EikonTouch 510 Reader</b>
<b>COMPACT FORM FACTOR</b>	
<b>Fingerprint Sensor</b>	TCS1S (touch)
<b>Package Size (mm)</b>	84 x 33.8 x 14.3
<b>Scanned Finger Area (mm)</b>	12.8 x 18
<b>Pixel Array Size (pixels)</b>	256 x 360
<b>Weight (g)</b>	74
<b>Cable Length (cm)</b>	50 or 180
<b>HIGH PERFORMANCE</b>	
<b>Acquisition Speed</b>	5.5 frames/sec
<b>Image Resolution</b>	508 dpi
<b>Grayscale Image Depth</b>	8-bit (256 levels)
<b>Interface</b>	USB 2.0 full speed (Type A) or Micro USB (Type B)
<b>SECURE</b>	
<b>USB Data Encryption</b>	AES-256
<b>On-board Data Storage</b>	256 bytes for private data (optional)
<b>RUGGEDIZED</b>	
<b>ESD Protection</b>	IEC 61000-4-2 level 4: 15kV air, 8kV contact
<b>Ingress Protection</b>	IP 63 for moisture and dust protection
<b>Operating Temperature</b>	0° to + 40° C
<b>Protective Coating</b>	> 4 million touches
<b>Humidity</b>	5% to 93% RH @ 30° C
<b>Certification</b>	CE/FCC/USB2.0/WHQL
<b>EFFICIENT POWER MANAGEMENT</b>	
<b>Power Imaging</b>	~ 120 mA @ 5V
<b>Power Standby</b>	~ 1 mA @ 5V
<b>INTEGRATION EASE</b>	
<b>OS Support</b>	Support for Windows®, Linux® and Android® operating systems
<b>Development Kit Options</b>	DigitalPersona® SDK



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