



# EikonTouch® TC510 Capacitive Fingerprint Reader

## APPLICATIONS

- Desktop PC security
- Mobile PC security
- Point-of-Sale
- Multi-user applications

## FEATURES

- Steelcoat® provides added durability – a requirement in high-traffic applications
- On device processing for template generation, matching and storage
- Works well with dry, moist or rough fingerprints
- Encrypted USB communication
- PAD (Presentation Attack Detection)
- Multiple USB connectors and cable lengths available

## SILICON USB FINGERPRINT READER

The EikonTouch® TC510 USB capacitive fingerprint reader provides quick and reliable biometric authentication.

The EikonTouch TC510 uses patented technology to capture fine print details resulting in the ability to capture a wide range of fingerprints.

The Steelcoat surface of the TC510 provides added sensor durability which is ideal for high traffic and multi-user applications.

The DigitalPersona® Biometric Software Developer Kit (SDK) provides flexible APIs to enable fast integration of the EikonTouch® TC510 into a broad range of applications. Multiple cable lengths and connector configurations are available to meet your use case requirements.

The EikonTouch® TC510 fingerprint reader is a USB peripheral perfect for individual desk-top users. Utilizing the same proven compact design as our DigitalPersona® 4500 optical fingerprint reader the TC510 conserves desk space with a professional, modern housing design.

This form factor works well in a wide range of vertical markets including government, point-of sale and other logical access control applications. Superior accuracy and usability are a result of the improved finger guide ergonomics and the LED which is located just above the sensor to provide user feedback during the biometric capture and matching process. The TC510 housing is IP65 rated to protect against dust and moisture penetration. This capability supports device cleaning including up to 70% isopropyl alcohol.

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® TC510 Capacitive Fingerprint Reader</b>
<b>Model Number</b>	<b>TC510</b>
<b>COMPACT FORM FACTOR</b>	
<b>Fingerprint Sensor</b>	TCS1S (touch)
<b>Package Size (mm)</b>	35 x 63.5 x 14.2
<b>Scanned Finger Area (mm)</b>	12.8 x 18
<b>Pixel Array Size (pixels)</b>	256 x 360
<b>Weight (g)</b>	124
<b>Form Factor</b>	Same housing as the DigitalPersona 4500 optical fingerprint reader with a weighted base for added stability.
<b>USB Cable &amp; Connector Options</b>	Cable lengths: 20 cm or 183 cm (7.8 or 72 in.) lengths USB Connectors: Type-A, Micro-B or Type C
<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
<b>SECURE</b>	
<b>USB Data Encryption</b>	Up to AES-256
<b>On-board Data Storage</b>	Up to 100 finger templates
<b>RUGGEDIZED</b>	
<b>ESD Protection</b>	IEC 61000-4-2 level 3: 8kV air, 6kV contact
<b>Ingress Protection</b>	IP 65 for moisture and dust protection
<b>Operating Temperature</b>	-10° to 50° C
<b>Protective Coating</b>	> 4 million touches
<b>Humidity</b>	5% - 95% RH
<b>Certification</b>	CE/FCC/WHQL/UL / RoHS / Reach / WEEE
<b>EFFICIENT POWER MANAGEMENT</b>	
<b>Power Imaging</b>	- 130 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® Biometric SDK supports a variety of thin client and browser plug-in options



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