

EXTENDED ACCESS TECHNOLOGIES

EikonTouch® TC710 Capacitive Fingerprint Reader



APPLICATIONS

- Desktop PC security
- Mobile PC security
- EPCS & healthcare applications

FEATURES

- FIPS 201 PIV certified image quality
- 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

FIPS 201 PIV-CERTIFIED SILICON USB FINGERPRINT READER

The EikonTouch® TC710 USB capacitive fingerprint reader provides quick and reliable biometric authentication. The EikonTouch® TC710 uses patented technology to capture fine print details. The result is the ability to capture a wide range of fingerprints with superior image quality for a broad range of use cases.

The first and most widely deployed, FIPS 201 PIV certified silicon fingerprint reader provides on board processing for image capture and template generation, matching and storage. This reader also protects sensitive data to and from the device using encryption up to AES-256.

The EikonTouch® TC710 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 TC710 conserves desk space with a professional, modern housing design. This form factor works well in a wide range of vertical markets including

government, healthcare 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 TC710 housing is IP65 rated to protect against dust and moisture penetration. This capability supports device cleaning including up to 70% isopropyl alcohol.

The DigitalPersona® Biometric Software Developer Kit (SDK) provides flexible APIs to enable fast integration of the EikonTouch® TC710 into 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 systems and applications.

SPECIFICATIONS

Product Name	EikonTouch® TC710 Capacitive Fingerprint Reader
Model Number	TC710
COMPACT FORM FACTOR	
Fingerprint Sensor	TCS1C (touch)
Package Size (mm)	35 x 63.5 x 14.2
Scanned Finger Area (mm)	12.8 x 18
Pixel Array Size (pixels)	256 x 360
Weight (g)	124
Form Factor	Same housing as the DigitalPersona 4500 optical fingerprint reader with weighted base for added stability.
Cable & Connector Options	Cable lengths: 20 or 183 cm (7.8 or 72 in.) lengths USB Connectors: Type-A, Micro-B or Type-C
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	Up to AES-256
On-board Data Storage	Up to 100 finger templates
RUGGEDIZED	
ESD Protection	IEC 61000-4-2 level 4: 15 kV air, 8 kV contact
Ingress Protection	IP65 for moisture and dust protection
Operating Temperature	-10° to 50° C
Protective Coating	> 2 million touches
Humidity	5% to 95% RH
Certification	CE/FCC/WHQL /UL/RoHS/Reach/WEEE
EFFICIENT POWER MANAGEMENT	
Power Imaging	~ 130 mA @ 5V
Power Standby	~ 1 mA @ 5V
INTEGRATION EASE	
OS Support	Support for Windows®, Linux® and Android® operating systems
Development Kit Options	DigitalPersona® Biometric SDK supports a variety of thin client and browser plug-in options