

# Thales Cogent Single Finger Scanner DactyID20\_SC



The Cogent Single Finger Scanner DactyID20\_SC with smartcard reader is a compact single-finger livescan offering a superior built-in fake fingers detection system.

This makes the Cogent Single Finger Scanner DactyID20\_SC the best choice especially for unattended applications like kiosks, pc/network-login, time and attendance and many others.

## Resolution 500 DPI

Cogent Single Finger Scanner DactyID20\_SC integrates a contact smartcard reader in a small footprint and low power consumption guarantee for matchless mobility and portability.

## FBI/PIV Certified

FBI/PIV certified guarantees image conformance according to FBI and ISO standards.

## HW Based Fake Finger Detection

BuiltIn HW-based Fake Finger Detection to significantly increase security for all unattended applications. Resist spoofing attacks with all known materials.

Cogent Single Finger Scanner DactyID20\_SC becomes the best choice whenever a standard compliant, compact, versatile and high quality live-scanner is needed. Moreover the Cogent Single Finger Scanner DactyID20\_SC supports, besides Windows, Android and Linux Operating System.

## Multiscan SDK Features

- Various API and sample codes for application development.
- AUTOMATIC FORMAT CLIPPING: generation of any required image size according to application requirements.
- AUTOMATIC ACQUISITION START AND STOP: sensing of finger placement and automatic acquisition of the image with the highest quality. Quality thresholds for images can be set through the Multiscan SDK.
- ELIMINATION OF LATENT PRINTS: elimination of latent prints originating from recent scans.
- IMAGE COMPRESSION: FBI certified WSQ compression JPEG and JPEG2000.
- IMAGE QUALITY CHECKING: image quality assessment according to NISTIR7151 standard.

# Cogent

## Single Finger Scanner DactylID20\_SC

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### Technical Specifications

<b>ACTIVE SCANNING WINDOW</b>	0,8" x 0,7" - 500 dpi Single flat finger
<b>INTERFACE</b>	USB 2.0
<b>IMAGE QUALITY AND FORMATS</b>	FBI/PIV certified ANSI/NIST-ITL 1-2007/2011 ISO/IEC FCD 19794 - 4 ANSI/NIST-ITL 1-2000 ANSI/NIST-ITL 1-2000 Interpol Imp.
<b>FAKE FINGER DETECTION</b>	HW based to guarantee highest efficiency
<b>TEMPERATURE</b>	Storage: from -20°C to +60°C - Operating: from +0°C to +50°C
<b>HUMIDITY</b>	From 10 to 90% (non-condensing)
<b>DIMENSIONS</b>	75,5 x 90 x 54 mm
<b>WEIGHT</b>	185 gr.
<b>SUPPORTED OP. SYSTEMS</b>	Microsoft Windows up to Win10 in 32-bit and 64-bit configuration - Linux Ubuntu and Fedora distributions in 32-bit and 64-bit configuration - Android
<b>CERTIFICATIONS</b>	CE, FCC, RoHS
<b>OPTIONS</b>	DactyMatch SW

### Smartcard Specification

<b>STANDARDS</b>	ISO 7816 & EMV 2000 Level 1
<b>PROTOCOLS</b>	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C(S=8)
<b>SMART CARD DETECTION</b>	Movement detection with auto power-off Automatic detection of smart card type Short circuit and thermal protection
<b>CARD SIZE</b>	ID-1 (full-size)
<b>INTERFACE SPEED</b>	420 kbps (when supported by card)
<b>CLOCK FREQUENCY</b>	Fixed at 4.8Mhz
<b>SUPPORTED CARD TYPES</b>	5V,3V and 1.8V Smart Cards, ISO 7816 Class A,B and C
<b>POWER TO SMART CARD</b>	60 mA
<b>STATUS INDICATOR</b>	Dual color LED
<b>COMPLIANCE/ CERTIFICATION</b>	Microsoft WHQL, EMV 2000 Level 1, ISO