Gemalto Cogent Fingerprint Scanner CSD450f

**Product Description**

The CSD 450f is a dual-digit optical fingerprint scanner that is FBI IAFIS IQS Appendix F certified for the capture of high quality prints. The advanced optics design enhances ambient light discrimination while the large platen area allows the capture of a dual-digit flat fingerprint impression or single-digit rolled (nail-to-nail) impression.

Features include auto-capture and adjustable brightness and contrast, with an image capture rate of 15 frames per second. Available SDK allow the CSD 450f to be easily integrated into third-party applications and the lightweight compact design allow for easy integration into new or existing applications.

Ideal for two-finger real-time identification applications such as inmate handling, border control, and civil background checks.

**FEATURES**

- 500 ppi resolution
- USB 2.0 interface
- Forensic-quality flat fingerprint images
- Ambient light rejection
- Large active platen area
- 15 frames/second image capture
- Fully featured with auto capture, adjustable brightness, contrast, and gain functions
- FBI PIV-071006 Mobile ID FAP 45 and FBI IAFIS IQS Appendix F certified
- Low maintenance
## System Requirements

- Windows® XP Professional (Svc. Pack 2), Windows® 2000 Professional (Svc. Pack 4)
- 2.0 GHz or higher Pentium IV compatible CPU
- 512 MB RAM or higher
- USB 2.0 compliant ports or USB 2.0 PCI card

## Available SDKs

- FPCaptureAccess
- FPCaptureExpress

## Certifications/Compliance

- FBI PIV-071006 Mobile ID FAP 45
- FBI IAFIS IQS Appendix F certified
- FCC
- CE

### Important Notice

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable as of the date of this publication, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, or conditions express or implied. Seller’s and manufacturer’s only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct, special or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith. Statements or recommendations not contained herein shall have no force or effect unless in an agreement signed by officers of seller and manufacturer.

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### Specifications

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<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Resolution</td>
<td>500 ppi</td>
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<tr>
<td>Uniform Illumination</td>
<td>Automatically calibrated</td>
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<tr>
<td>LED Indicator</td>
<td>10 dual-color (red, green) LEDs</td>
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<tr>
<td>Platen Area</td>
<td>1.72 × 1.58 in. (43.75 × 40.2 mm)</td>
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<tr>
<td>Active Platen Area</td>
<td>1.6 × 1.5 in., 800 x 750 pixels</td>
</tr>
<tr>
<td>Grayscale</td>
<td>8-bit, 256 levels</td>
</tr>
<tr>
<td>Interface/Power</td>
<td>USB 2.0, data and power</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 122° F (0° to 50° C)</td>
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<tr>
<td>Humidity</td>
<td>10–90%, non-condensing</td>
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<tr>
<td>Weight</td>
<td>0.88 lbs (0.4 kg)</td>
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<tr>
<td>Dimensions</td>
<td>3.94 × 3.25 × 2.99 in. (100 × 82.5 × 76 mm)</td>
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