



## U.are.U<sup>®</sup> Fingerprint Keyboard with Smart Card Reader



### Keyboard Features

- 104 standard keys
- 7 hot keys
- USB interface

### U.are.U Fingerprint Sensor Features

- Optical imaging technology
- Superior image quality
- Works well with dry, moist, or rough fingerprints
- Automatically erases latent fingerprints
- 360 degree rotation invariant
- Large imaging area
- Self-calibrating
- Encrypted image data
- Challenge-response data link to prevent playback attacks
- Rugged and reliable
- ESD resistant
- Very fast data transmission

### Smart Card Reader Features

- Compliant with Microsoft PC/SC Smart Card specifications.
- ISO 7816 standard supporting T0/T1 protocol memory and MCU cards
- 3V and 5V compatible

The U.are.U Fingerprint Keyboard with Smart Card Reader is a Windows-compatible keyboard with a built-in U.are.U Fingerprint Sensor. This keyboard is ideal for adding the security of fingerprint authentication to a smart card environment.

The integrated fingerprint sensor uses optical imaging technology to achieve better image quality, a larger capture area, and superior reliability. Even the hardest-to-read fingerprints are captured accurately and quickly, regardless of placement angle. The Sensor is self-calibrating and encrypts the image data for highest privacy. Because the finger touches a plastic surface, the danger of damage by electrostatic discharge is eliminated.

The U.are.U Fingerprint Keyboard with Smart Card Reader is available with DigitalPersona's U.are.U Pro Workstation and U.are.U Integrator Platinum packages. These packages are compatible with Windows XP, Me, 2000 and 98. The smart card reader works with smart card applications only. This keyboard is suitable for financial, government and custom applications.

<b>System Requirements:</b> <ul style="list-style-type: none"> <li>• One USB</li> <li>• Operating System: Windows 95 (OSR2.1), 98, NT4.0, 2000, ME, XP</li> <li>• Pentium or higher</li> </ul>	<b>Keyboard Dimensions:</b> <ul style="list-style-type: none"> <li>• 469 mm x 192 mm x 40 mm</li> <li>• 1.4 m cable length</li> <li>• 1.2 Kg total weight</li> </ul>
<b>Applications:</b> <ul style="list-style-type: none"> <li>• Desktop PCs</li> <li>• Point-Of-Sale (POS) terminals</li> </ul>	<b>Keyswitch Specifications:</b> <ul style="list-style-type: none"> <li>• Rubber dome membrane type</li> </ul>

### Environmental Ratings

Temperature	<ul style="list-style-type: none"> <li>• 10 to 35 C (operating)</li> <li>• -10 to 60 C (storage)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 20% - 80% @ 26 C non-condensing (operating)</li> <li>• 20% - 90% @ 65 C non-condensing (storage)</li> </ul>
ESD Susceptibility	<ul style="list-style-type: none"> <li>• &gt;8KV</li> </ul>

### Fingerprint Sensor Specifications

Power Requirements	<ul style="list-style-type: none"> <li>• 5V +/- .25V (supplied by USB interface)</li> <li>• 100mA (max)</li> </ul>
USB Specifications	<ul style="list-style-type: none"> <li>• USB 1.1 compliant: Full-speed, low power, bus-powered</li> </ul>
Recognition Accuracy	<ul style="list-style-type: none"> <li>• .01% False Accept Rate</li> <li>• 2.5% False Reject Rate (using U.are.U recognition software)</li> </ul>
Pixel Resolution	<ul style="list-style-type: none"> <li>• 408 dpi (avg. x and y over image area)</li> </ul>
Image Capture Area	<ul style="list-style-type: none"> <li>• 12.7 mm (horizontal center width) x 18.0 mm (vertical)</li> </ul>

### Standards Compliance

Safety	<ul style="list-style-type: none"> <li>• CSA C22.2</li> <li>• DIN EN60950</li> <li>• IEC950</li> <li>• TUV-GS</li> </ul>	No. 950-M1989 European Standard Second Edition ZH1/618
Emissions/Susceptibility	<ul style="list-style-type: none"> <li>• FCC</li> <li>• CISPR-22</li> <li>• IEC 1000-4-2</li> <li>• VCCI</li> <li>• CE</li> </ul>	Part 15, Class B Class B Level 2 V3 & V4, Class B EN50082-1, EN50081-2, EN55022, Class B, ESD: IEC1000-4-2 Level 2 EN55022/CISPR22/AS/NZS3548
Ergonomics	<ul style="list-style-type: none"> <li>• C-Tick</li> <li>• ISO 9241-4</li> </ul>	

