



# U.are.U<sup>®</sup> Fingerprint Keyboard



## Keyboard Features

- 104 keys
- 6 hotkeys (3 internet, 3 programmable)
- PS/2 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
- Plug-and-Play USB interface

The U.are.U Fingerprint Keyboard is a Windows-compatible 104-key keyboard with a built-in U.are.U Fingerprint Sensor. This keyboard is ideal for networked office environments and e-commerce applications where the convenience and security of fingerprint authentication is required.

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 comes bundled with DigitalPersona's U.are.U Pro Workstation fingerprint security system (Part #83130-001) or U.are.U Integrator Platinum (Part #82130-001). These award-winning software packages allow secure fingerprint logon to the local PC, a network server, or online services. The fingerprint keyboard and software packages are fully compatible with Windows 95 (OSR2.1), 98, NT4.0, 2000, Me, and XP.

The keyboard's Y cable is terminated with two connectors: a PS/2 interface for the keyboard function and a USB interface for the fingerprint sensor.

<b>System Requirements:</b> <ul style="list-style-type: none"> <li>Ports: one PS/2 <i>and</i> one USB</li> <li>Operating System: Windows 95 (OSR2.1), 98, NT4.0, 2000, ME, XP</li> <li>Pentium or higher</li> </ul> <b>Applications:</b> <ul style="list-style-type: none"> <li>Desktop PCs</li> <li>Point-Of-Sale (POS) terminals</li> </ul>	<b>Keyboard Dimensions:</b> <ul style="list-style-type: none"> <li>476 mm x 192 mm x 40 mm</li> <li>6 foot cable length</li> <li>1.2 Kg total weight</li> </ul> <b>Keyswitch Specifications:</b> <ul style="list-style-type: none"> <li>Rubber dome membrane type</li> <li>55 grams peak force</li> <li>3.7 mm to 4 mm total travel</li> </ul>
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**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>440 dpi (avg. x and y over image area)</li> </ul>
Image Capture Area	<ul style="list-style-type: none"> <li>12.0 mm (horizontal center width) x 17.0 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>	

