



# U.are.U® Fingerprint Keyboard

## USB Fingerprint Keyboard

### Target Applications

- Desktop PCs
- Point-of-sale terminals

### Keyboard Features

- 104 keys
- 6 hotkeys (3 Internet, 3 programmable)
- Compatible with Windows® XP, 2000, Me, 98 and Windows Server 2003

### U.are.U Fingerprint Reader Features

- Optical imaging technology
- Excellent image quality
- Superior ESD resistant
- Encrypted fingerprint data
- Latent print rejection
- Counterfeit finger rejection
- Rotation invariant
- Rugged
- Works well with dry, moist, or rough fingerprints
- Fast data transmission
- Plug-and-Play USB interface



### Product Description

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

The integrated U.are.U Reader uses optical technology to achieve excellent image quality, a large capture area, and superior reliability. Even the hardest-to-read fingerprints are captured accurately and quickly, regardless of placement angle. The user simply places their finger on the glowing reader window, and the reader quickly and automatically scans the fingerprint. On-board electronics calibrate the reader and encrypt the scanned data before sending it over the USB interface. Since the finger touches a plastic surface, the danger of damage by electrostatic discharge is eliminated.

The U.are.U Fingerprint Keyboard can be purchased with DigitalPersona® Pro Workstation, DigitalPersona Pro Kiosk, DigitalPersona Online or DigitalPersona Integrator packages. Whether you are an enterprise customer or a system integrator, Digital Persona, Inc.'s fingerprint recognition solutions provide a natural extension to your security system and applications.



digitalPersona.

Part number	Description
50105-001	U.are.U 4000B Fingerprint Keyboard, USB Interface

### System Requirements

One USB 1.1 or higher compatible port
Operating Systems: Windows XP, 2000, Me, 98 or Windows Server 2003
Pentium or higher

Keyboard Dimensions	Keyswitch Specifications
476 mm x 192 mm x 40 mm	Rubber dome membrane type
6 foot cable length	55 grams peak force
1.2 Kg total weight	3.7 mm to 4 mm total travel

### Environmental Ratings

<b>Temperature</b>	10 - 35 C (operating)
	-10 - 60 C (storage)
<b>Humidity</b>	20% - 80% @ 25 C non-condensing (operating)
	20% - 90% @ 60 C non-condensing (storage)
<b>ESD Susceptibility</b>	> 8KV

### Fingerprint Keyboard Specifications

<b>Power Requirements</b>	5V ±0.25V (supplied by USB interface)
	300 mA (maximum)
<b>USB Specifications</b>	Full Speed USB Device
	Must be plugged into PC's USB port or into a self-powered USB hub (a self-powered hub includes an external adapter)
<b>Fingerprint Reader Pixel Resolution</b>	512 dpi (average x and y over image area)
<b>Fingerprint Reader Image Capture Area</b>	14.6 mm (horizontal) x 18.2 mm (vertical)

### Standards Compliance

<b>Emissions/Susceptibility</b>	FCC	Part 15, Class B
	CE	EN50082-1, EN50081-2, EN55022, Class B, ESD: IEC1000-4-2 Level 2
<b>Ergonomics</b>	ISO 9241-4	
<b>Functional</b>	USB	

Data subject to change without notice.



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