

Proper Finger Placement

The basics for successful operation of the FPU are important. System performance improves dramatically with **consistent finger placement**. It is important to make sure that the position of the finger allows the FPU to record the unique features of the print. Follow the steps below for trouble-free fingerprint recognition.

With the fingertip raised, position the finger so that the Ridge- Lock rests comfortably. Then, lower the finger onto the sensor and apply moderate pressure. The figure at right illustrates proper finger placement and the resulting image.



FPU operation - Instructions and regulations:

In view of our experience, we strongly recommend that each employee practices finger positioning on the sensor prior to actual enrollment!

Avoid using thumb and pinky fingers since they are typically awkward to position consistently on the sensor.

Place the higher joint of your finger on the ridge lock and lower your finger onto the sensor surface (make sure all other fingers are held straight to avoid creating an angle between the enrolled finger and the sensor surface - incorrect positioning).

Press your finger gently onto the panel, avoid excessive pressure as it will blur the print.

Make sure you use the enrolled finger for verification!

If your finger is extremely dry, touch your forehead or the side of your nose before placing it on the sensor.

Do not use a wet/moist finger for scanning.

Caution:

For user's convenience mount the terminal at a height of 1.4 meters (55.2") (measured from the top end of the terminal to the floor) and at a distance of 15 cm

(5.9") from the right-side wall (closer to the sensor side).

Caution:

If it is impossible to sample an employee's fingerprint, you can disable finger verification and revert to card or code mode instead.

Common mistakes

Correct finger placement is a significant component for reliable fingerprint imaging. The following figures illustrate some common mistakes to avoid.

- Sliding the fingertip into place instead of lowering it onto the sensor will cause distortion of the fingerprint and will degrade image quality.
- Rotating the finger into position will also cause distortion of the fingerprint.
- Placing your finger as if punching a button will not provide adequate information and will degrade system performance.



- Positioning the finger to one side and leaving a portion of the sensor exposed will degrade image quality. This figure demonstrates how poor finger placement degrades the image of the fingerprint. Notice how the core is well off- center



- Placing the finger at an angle, as shown here, is another common mistake. Not placing the finger in an upright position will result in an unreadable image of the fingerprint.



- Not using the Ridge- Lock may cause placing the finger in an incorrect position. This figure illustrates the user neglecting the Ridge- Lock and resulting fingerprint image. Notice how the core is well below center.